

FIG. 1
PRIOR ART

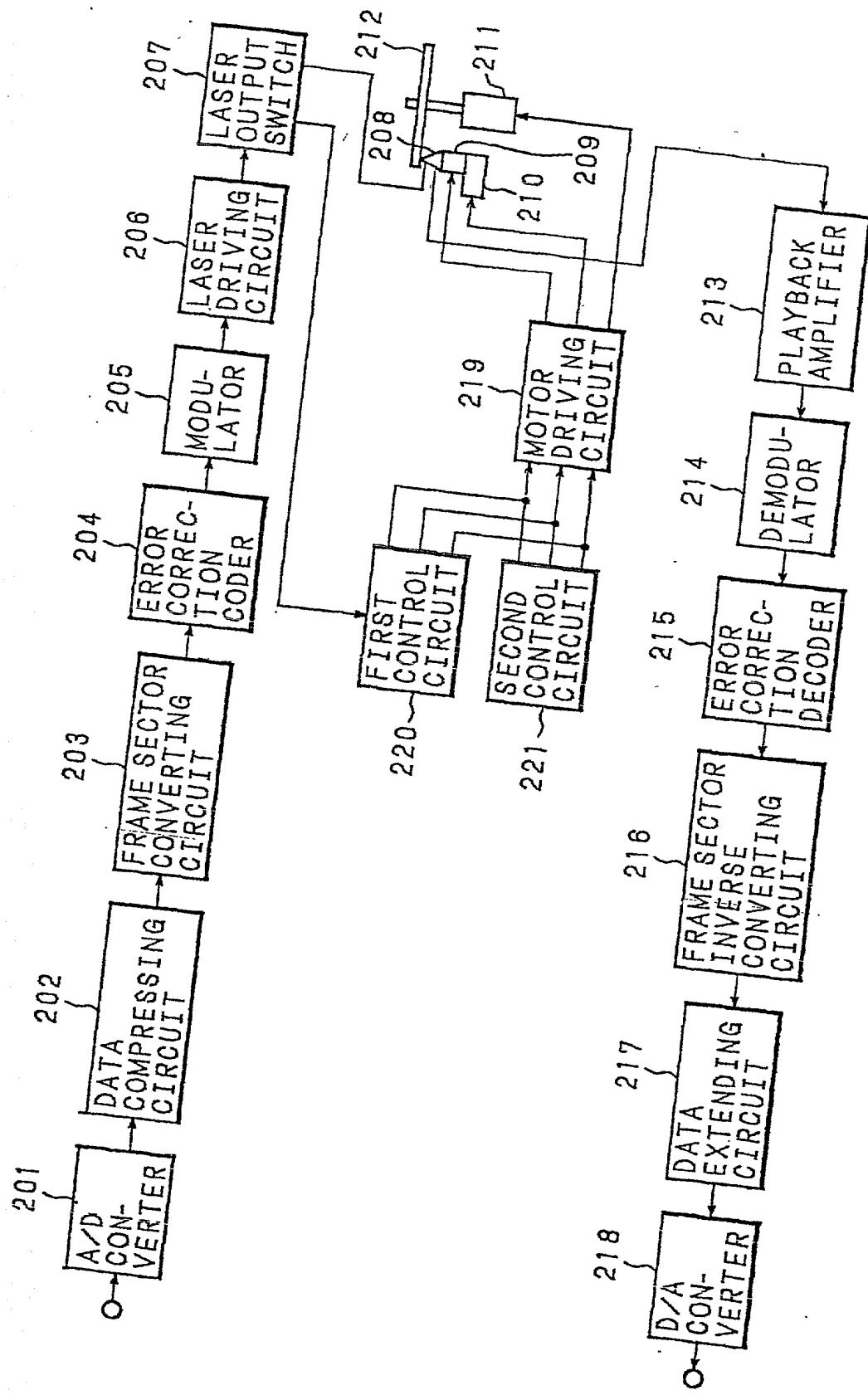


FIG. 2
PRIOR ART

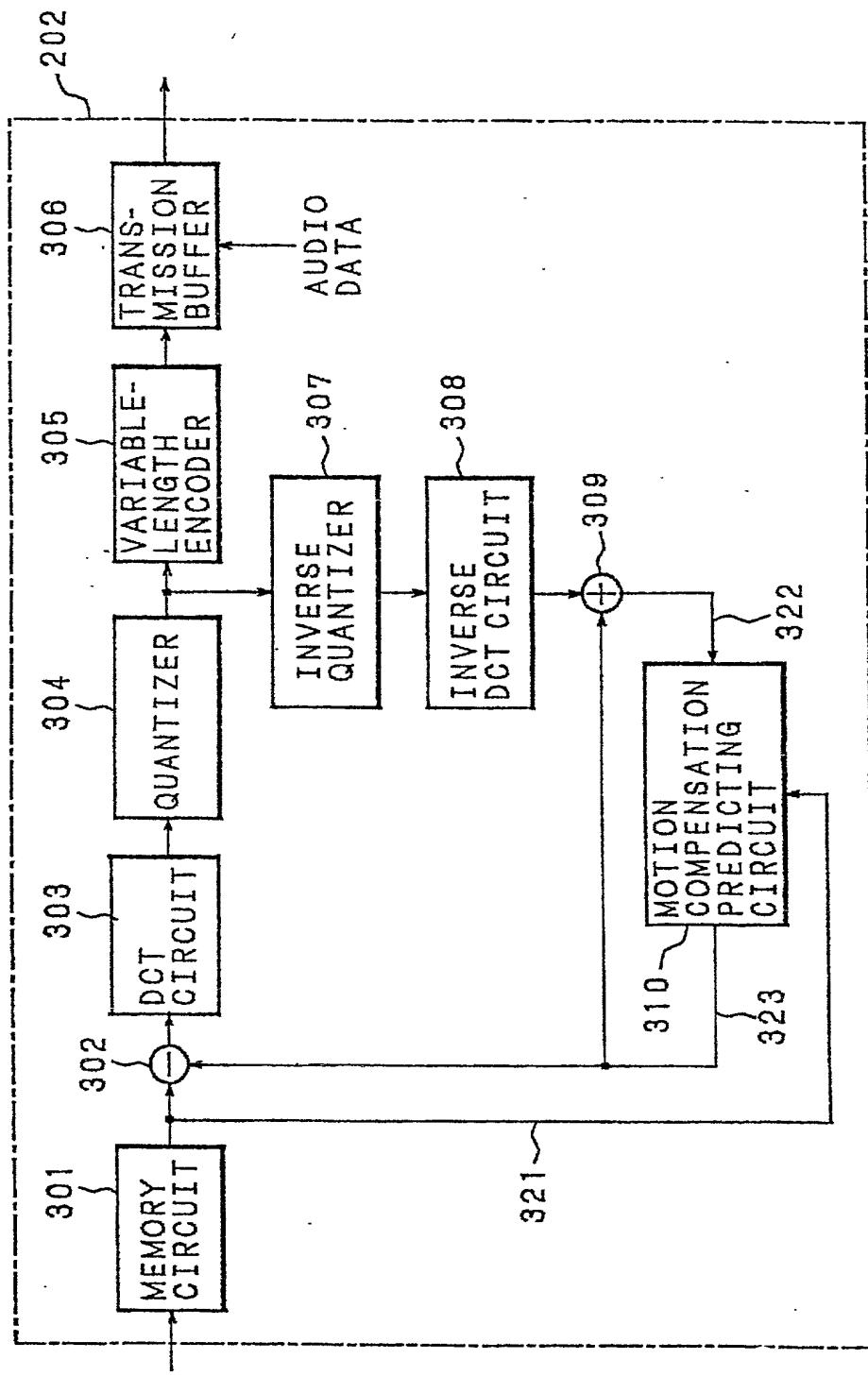


FIG. 3
PRIOR ART

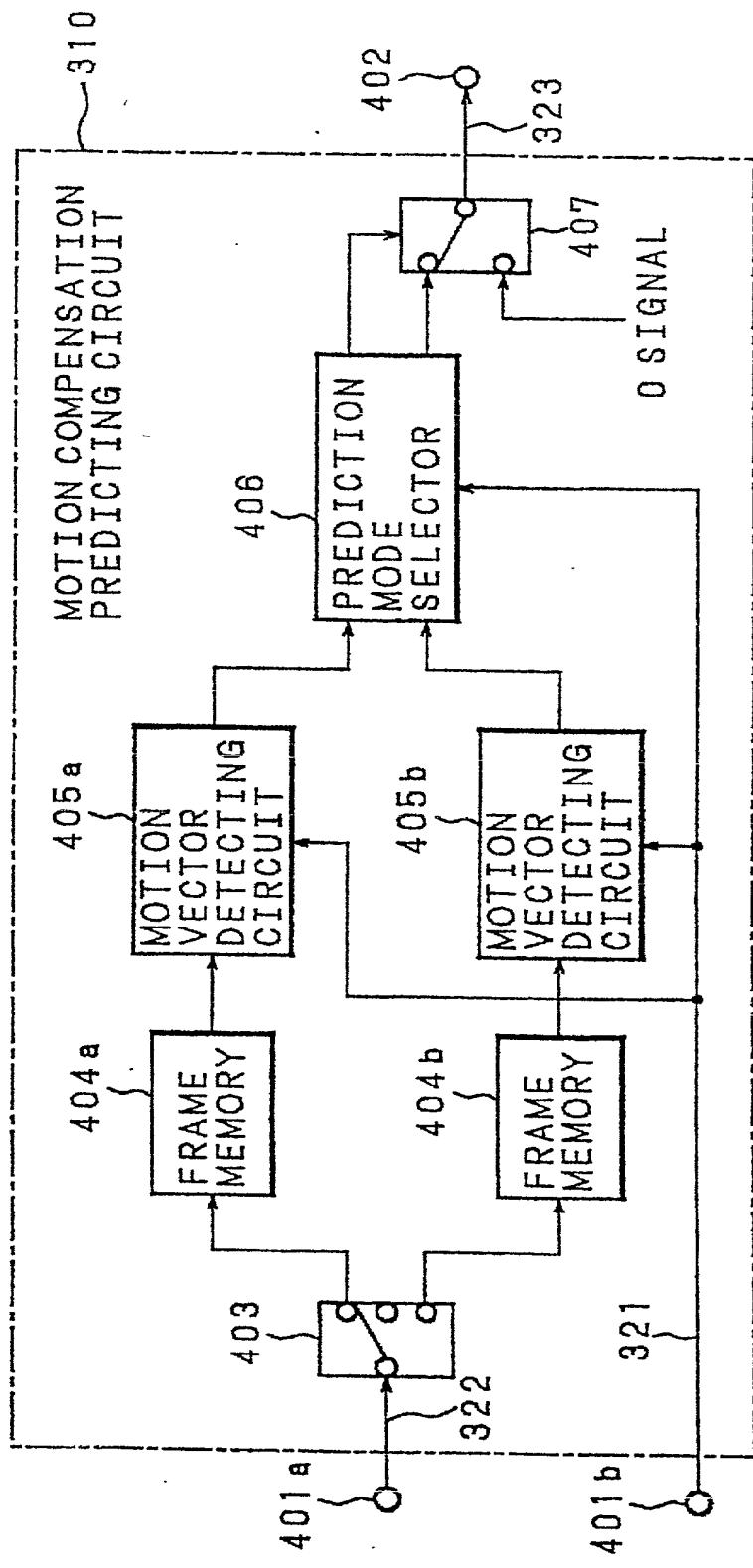


FIG. 4
PRIOR ART

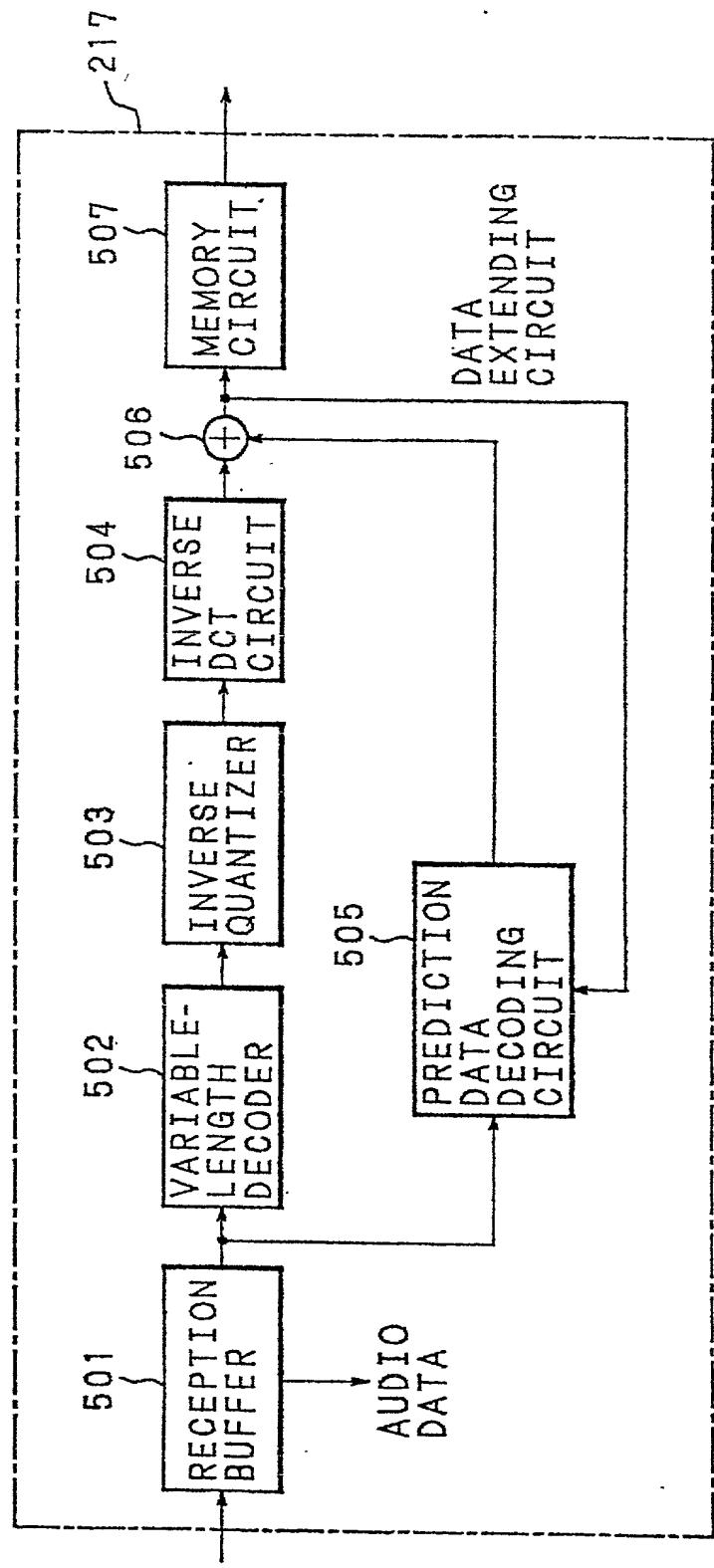
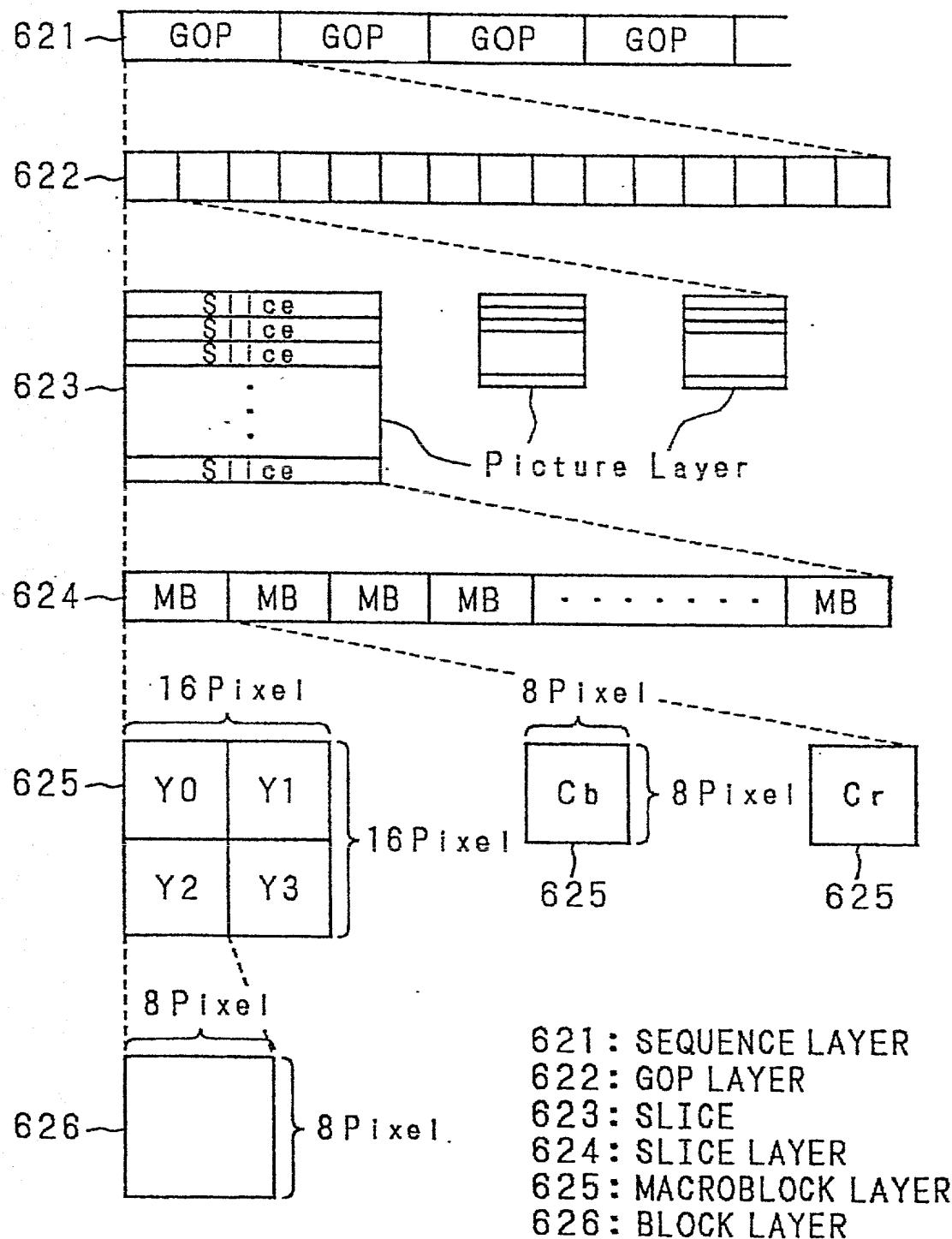


FIG. 5
PRIOR ART



621: SEQUENCE LAYER
622: GOP LAYER
623: SLICE
624: SLICE LAYER
625: MACROBLOCK LAYER
626: BLOCK LAYER

FIG. 6
PRIOR ART

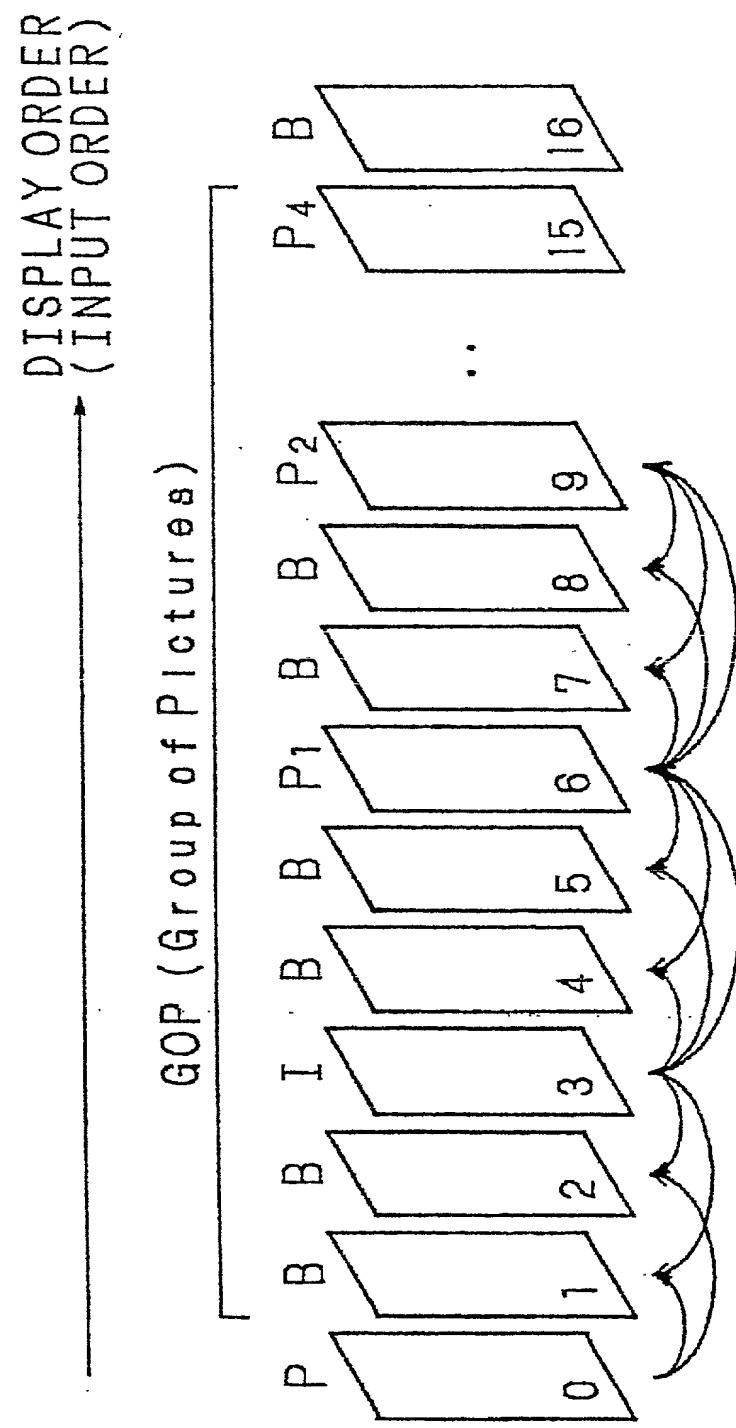


FIG. 7A
PRIOR ART
INPUT ORDER

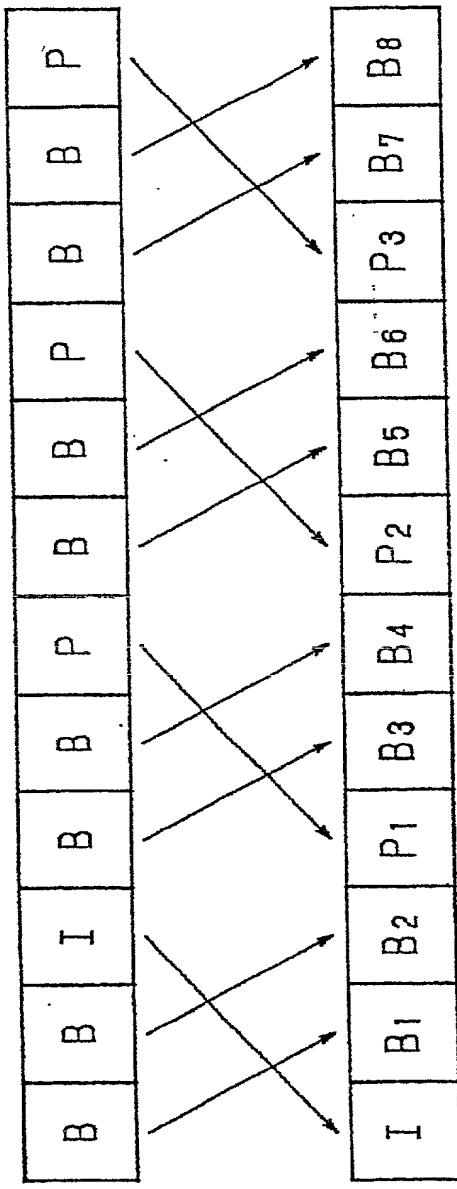


FIG. 7B
PRIOR ART
OUTPUT ORDER

I	B ₁	B ₂	P ₁	B ₃	B ₄	P ₂	B ₅	B ₆	P ₃	B ₇	B ₈
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FIG. 8
PRIOR ART

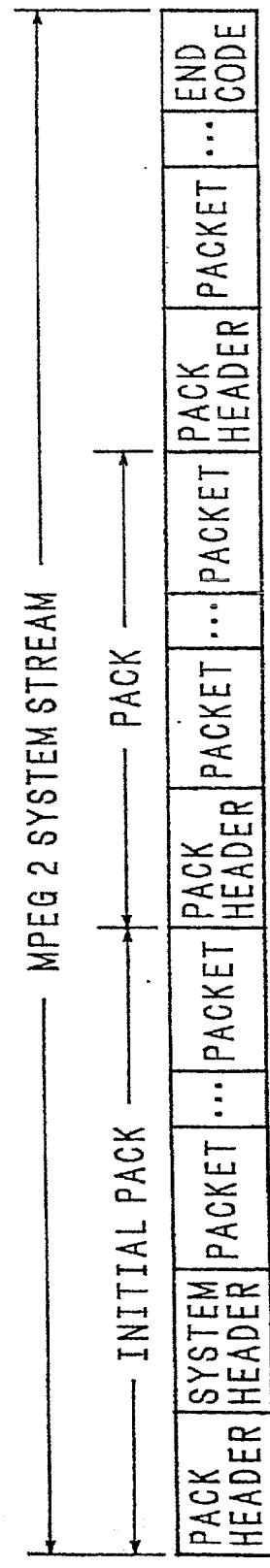


FIG. 9
PRIOR ART

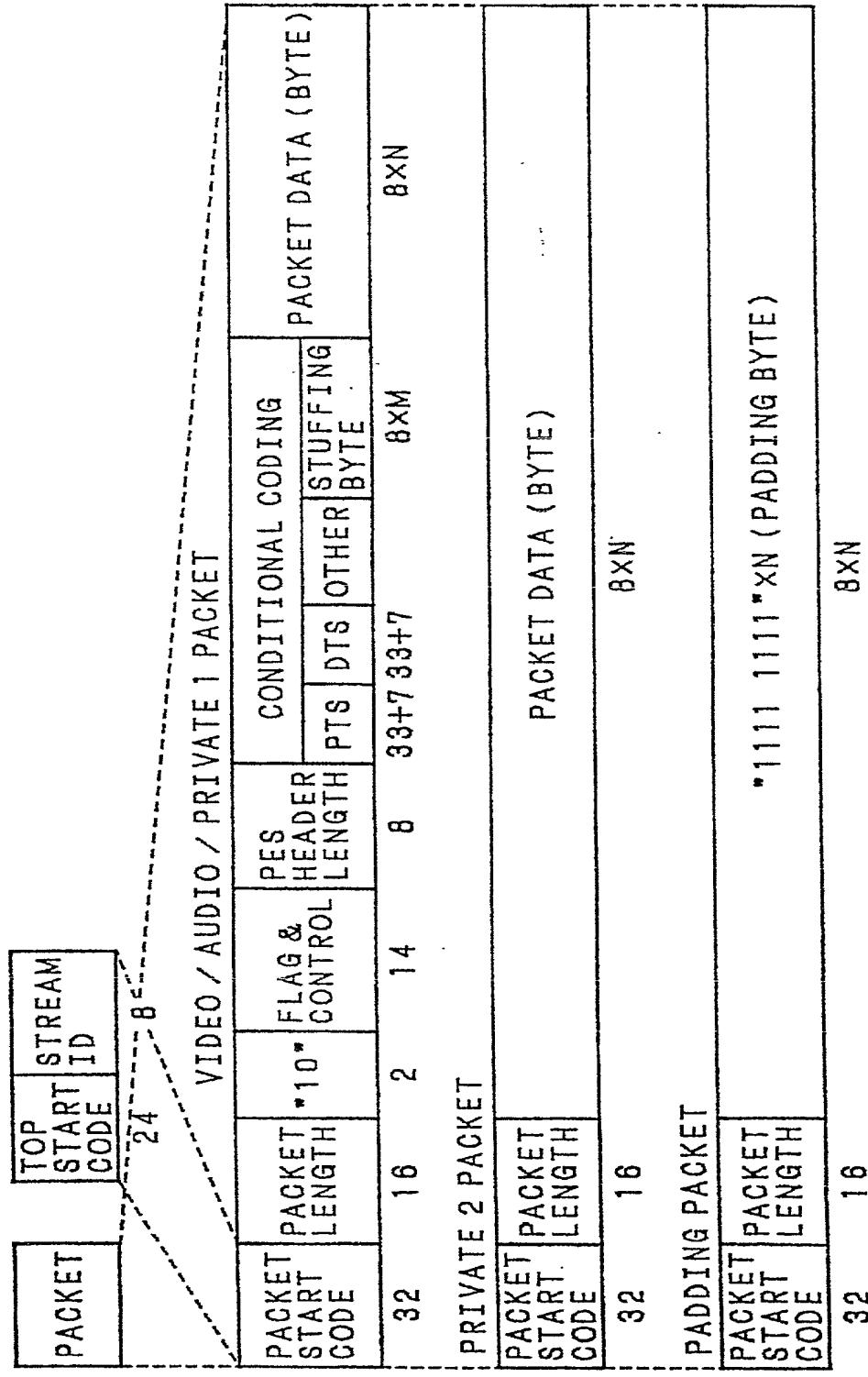


FIG. 10
PRIOR ART

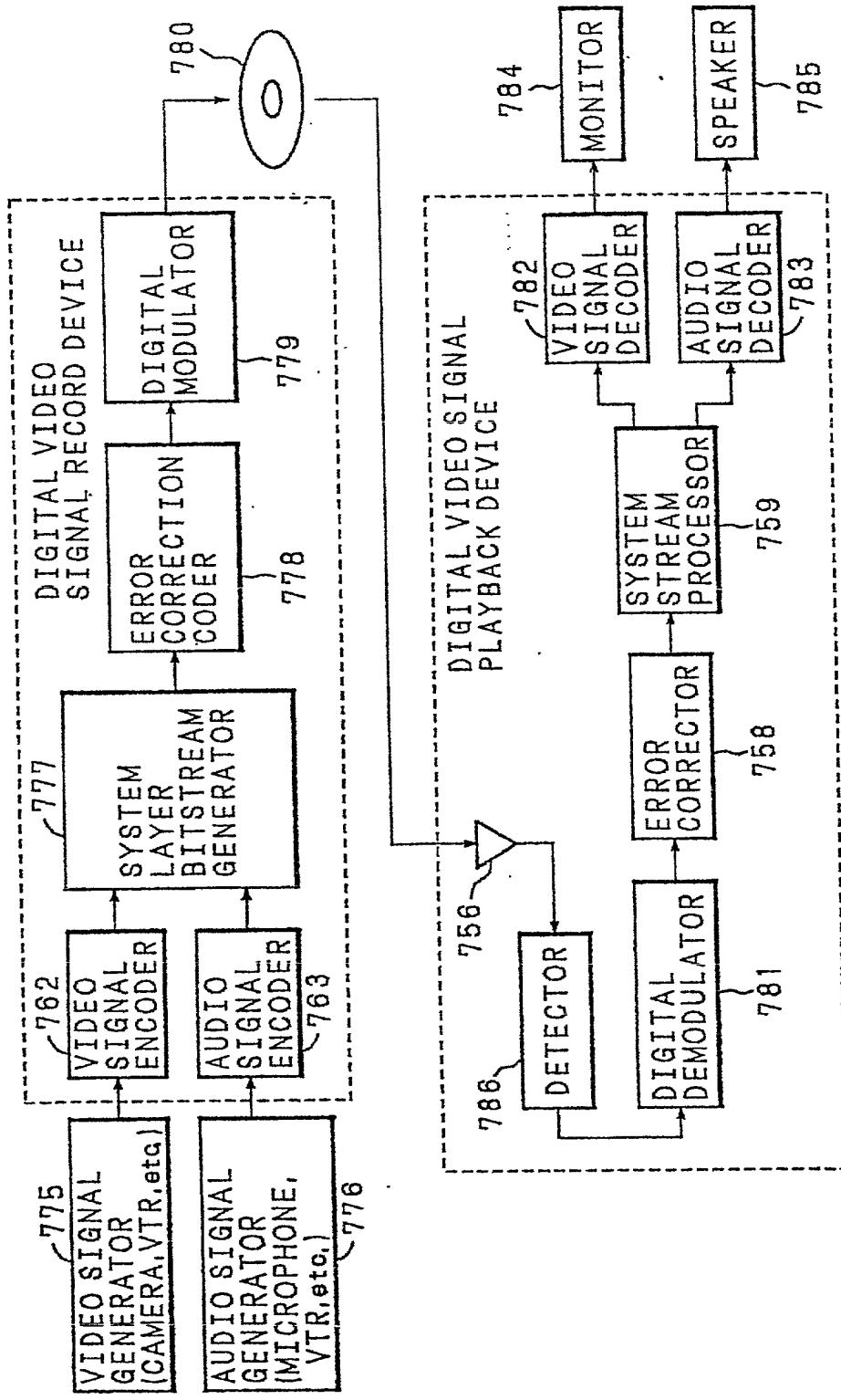


FIG. 1.1
PRIOR ART

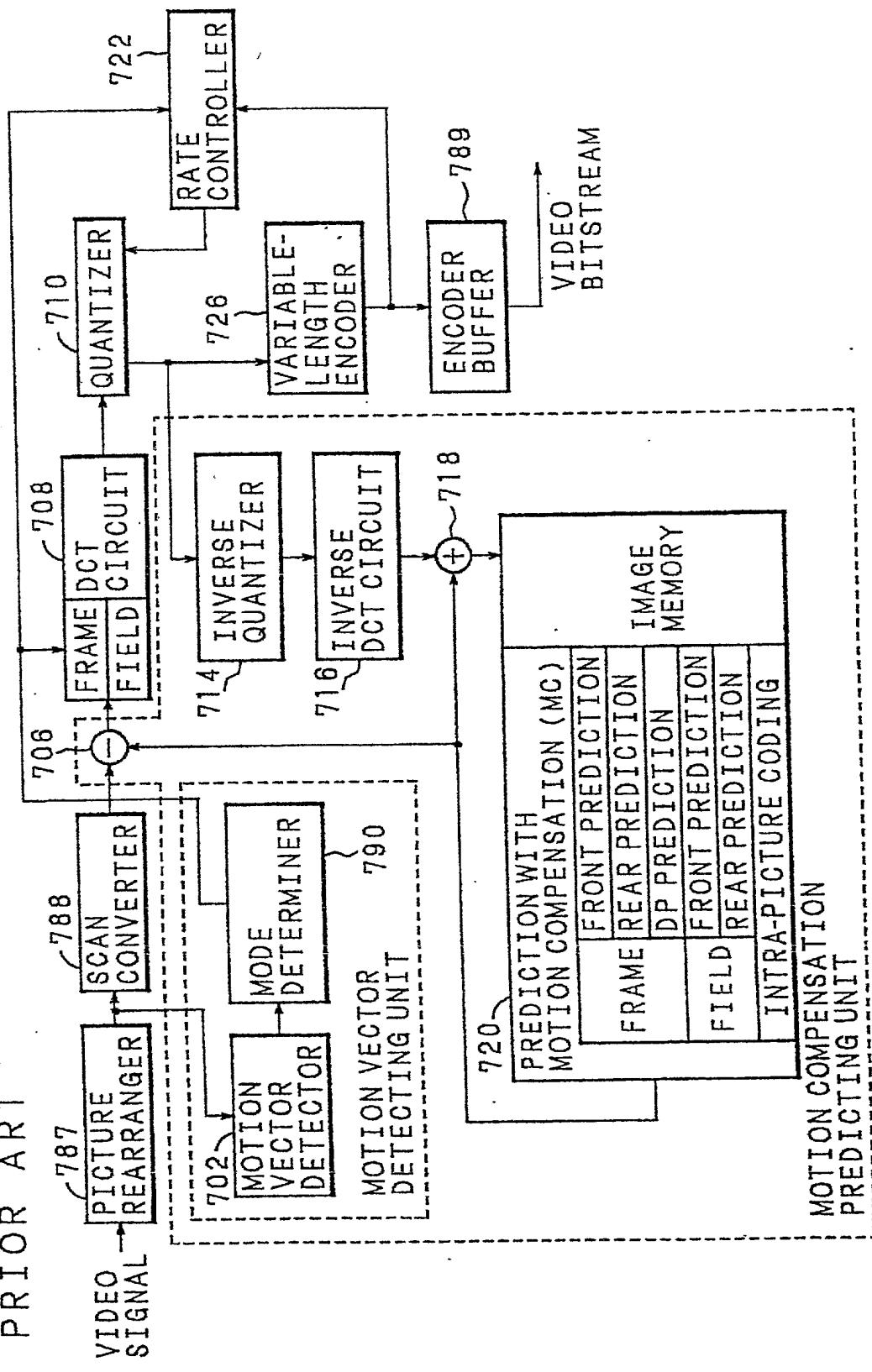


FIG. 12
PRIOR ART

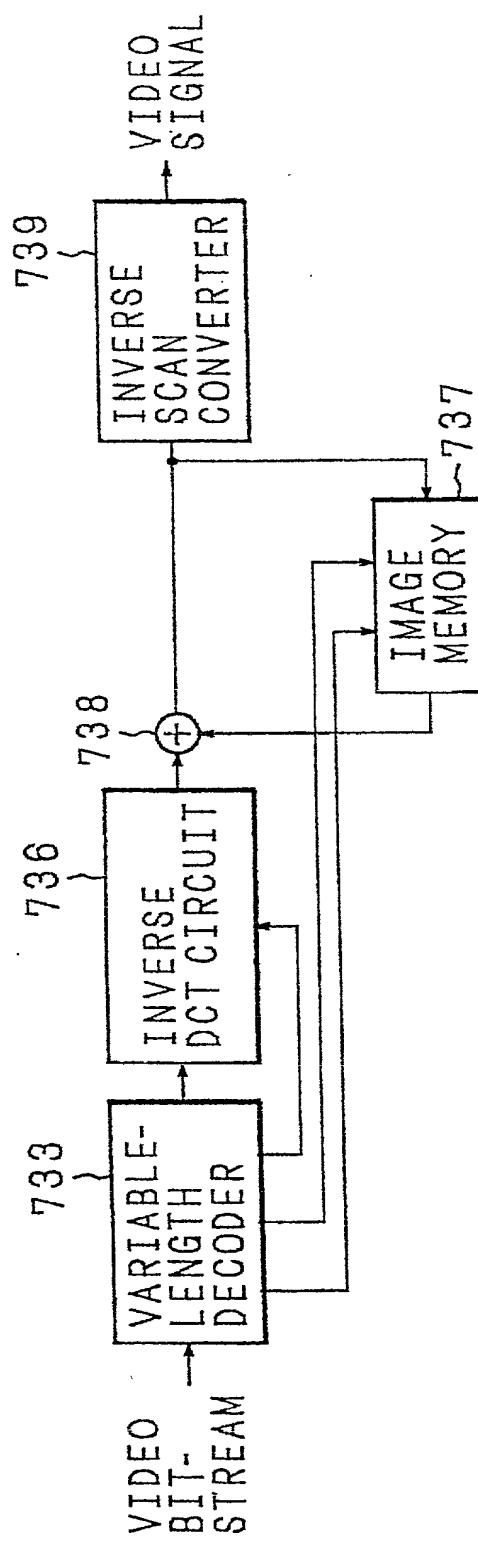
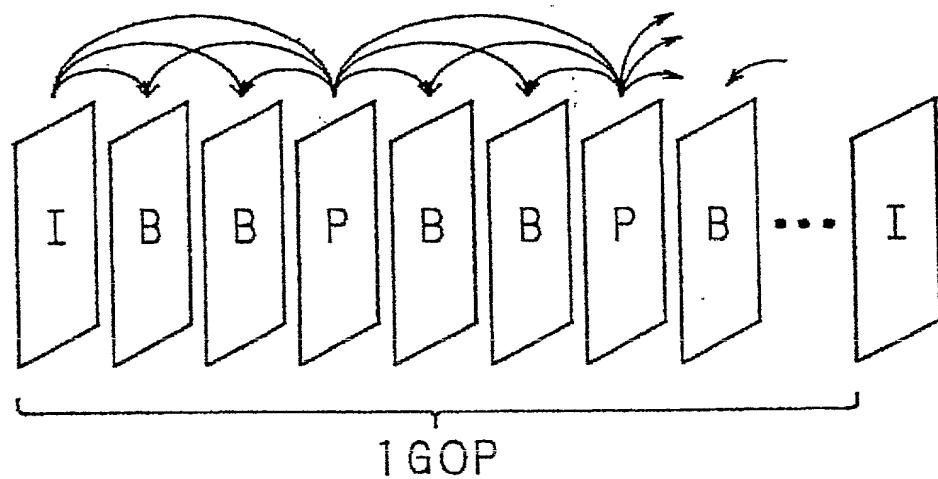


FIG. 13A
PRIOR ART



I:I-PICTURE
P:P-PICTURE
B:B-PICTURE

ARROW SHOWING PREDICTION

FIG. 13B
PRIOR ART

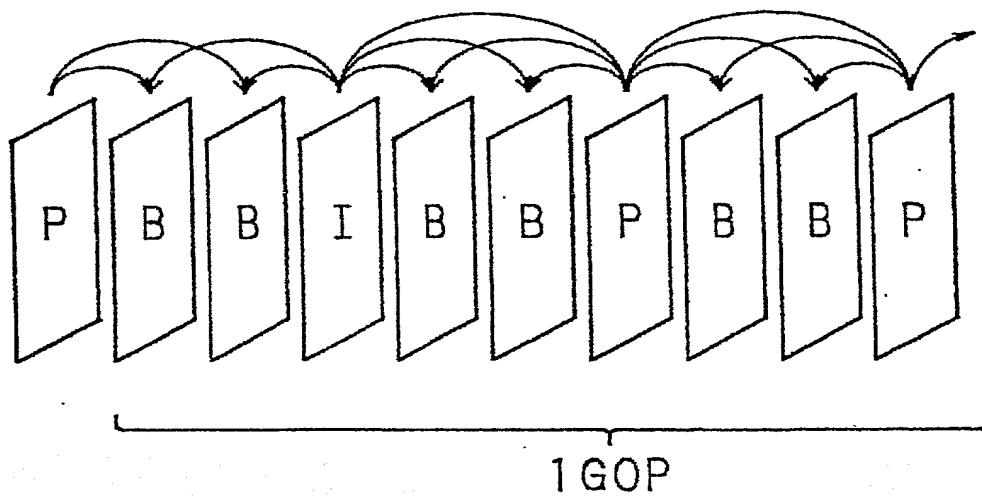


FIG. 14
PRIOR ART

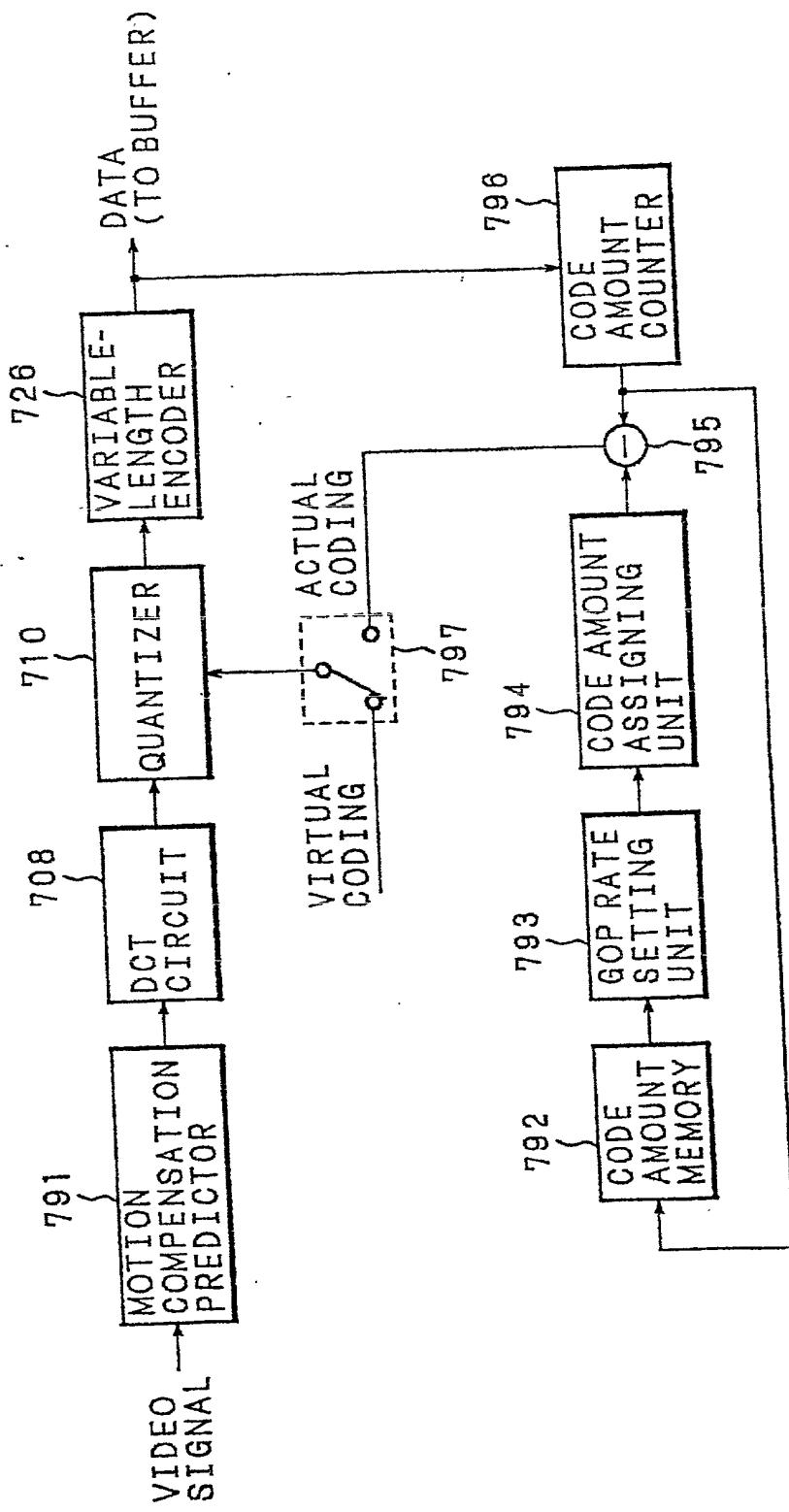


FIG. 15

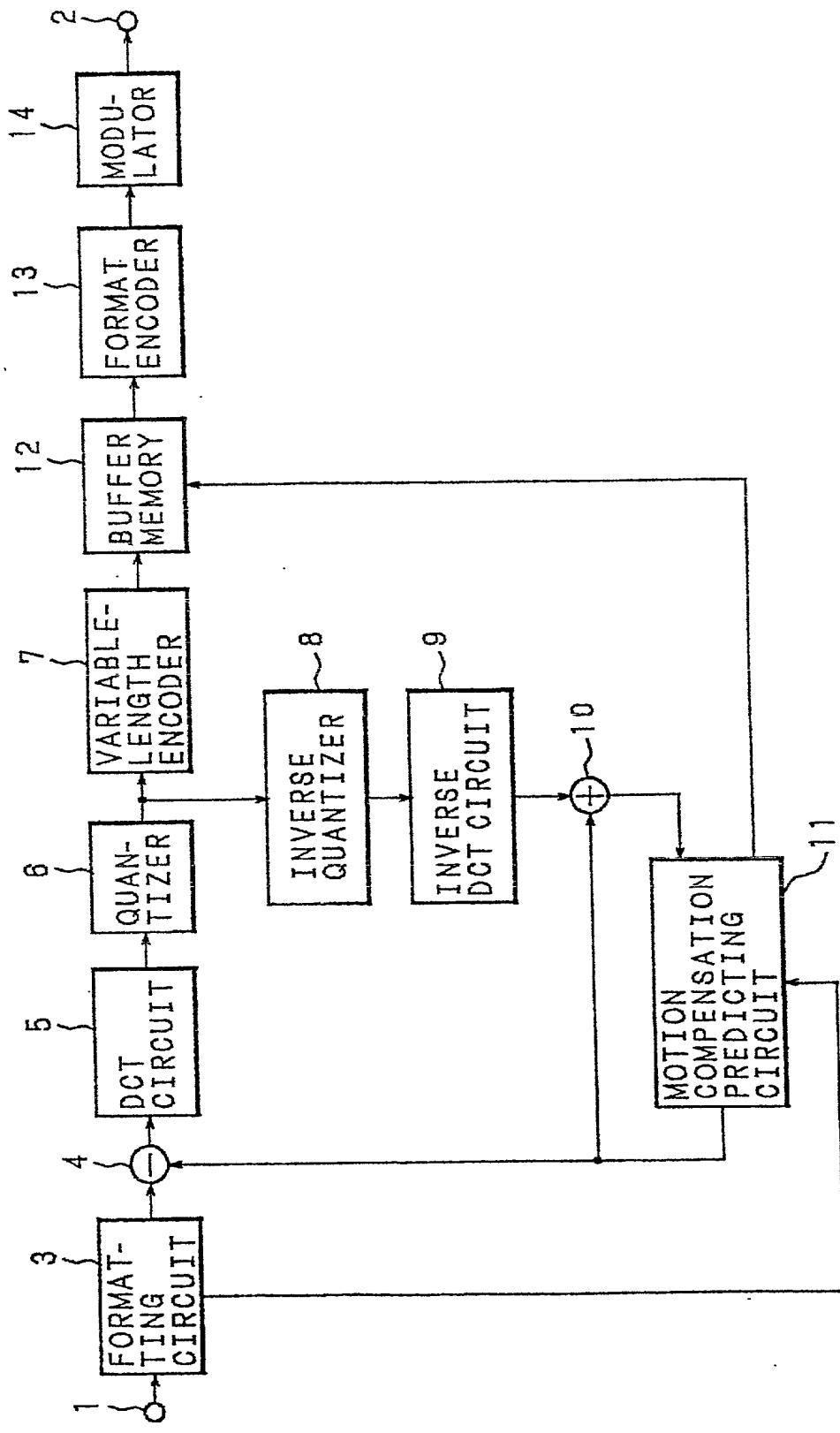


FIG. 16

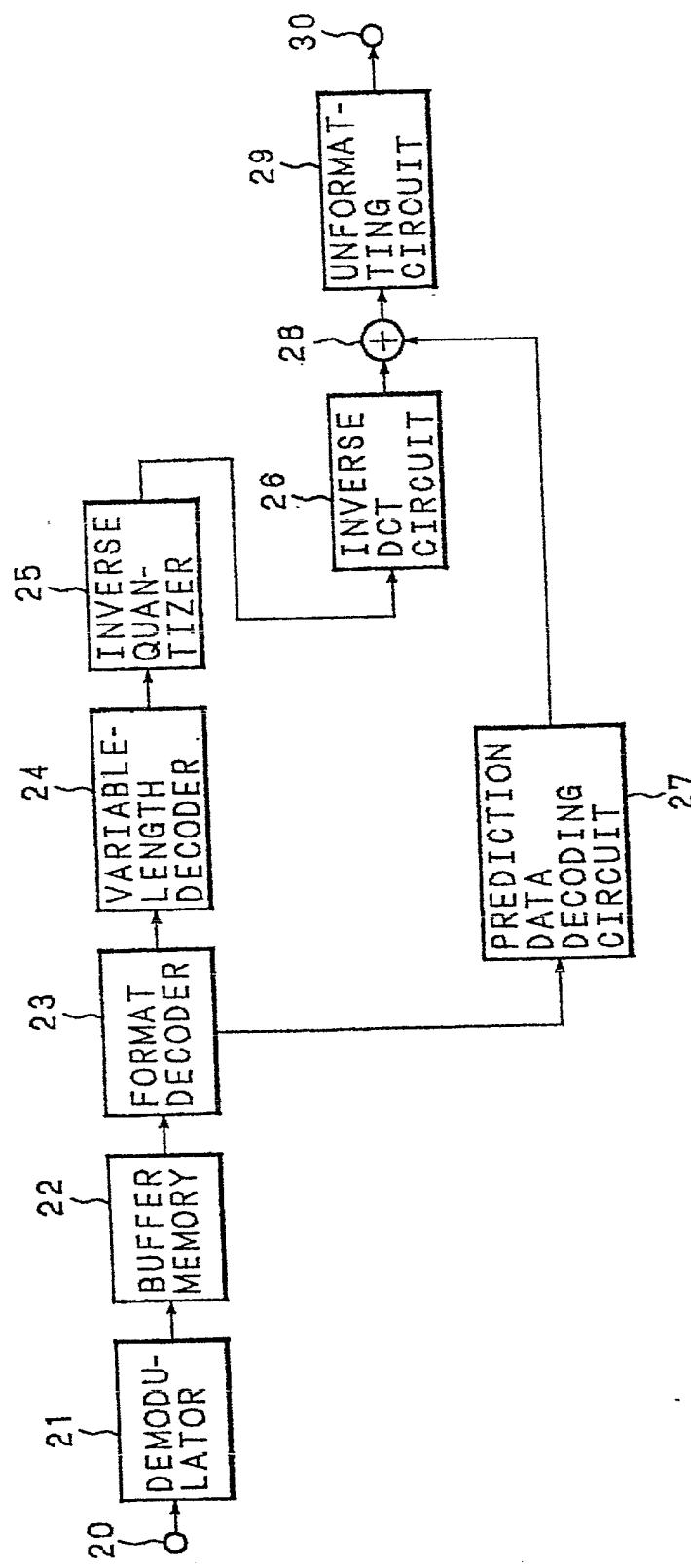


FIG. 17.

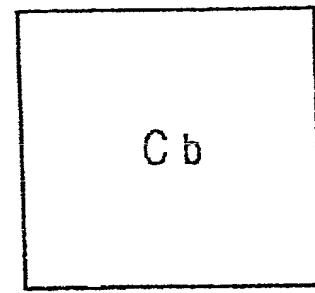
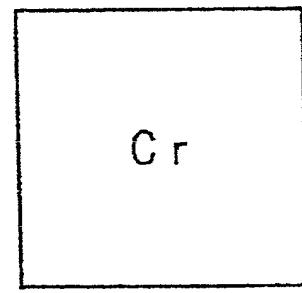
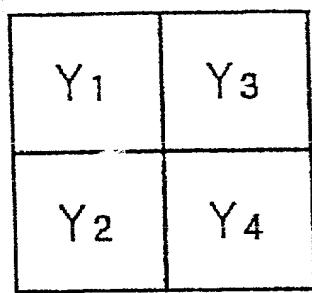


FIG. 18

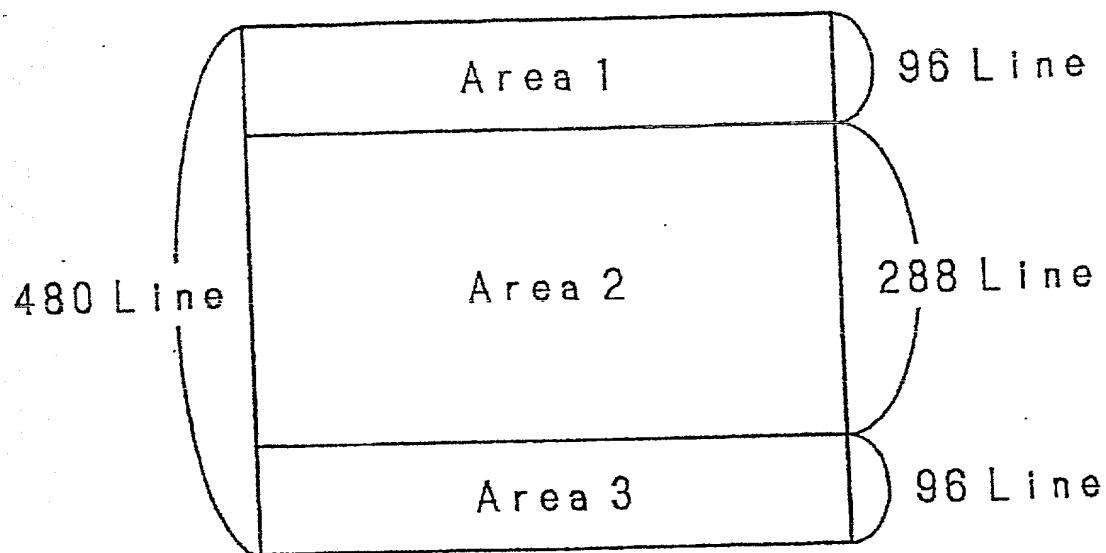


FIG. 18

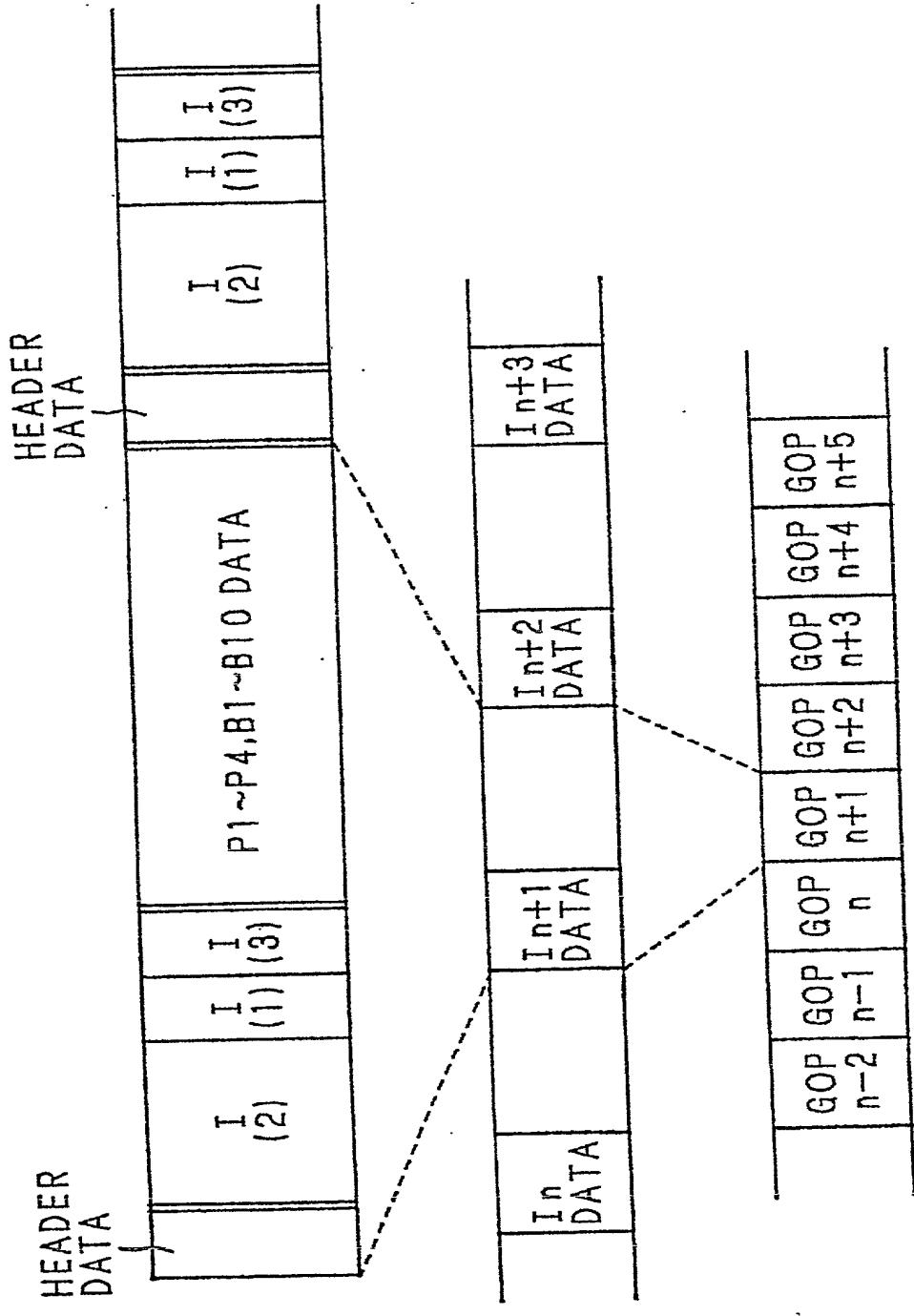


FIG. 20A

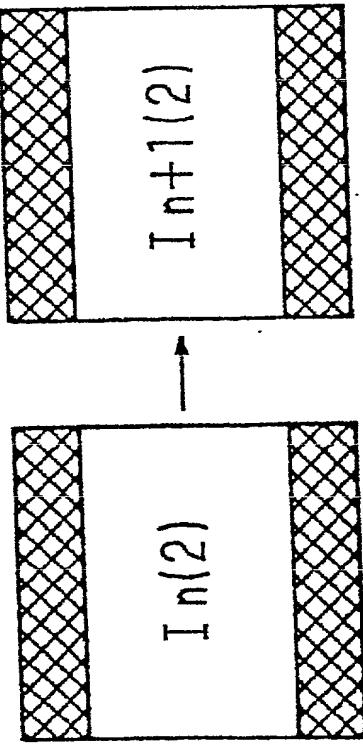


FIG. 20B

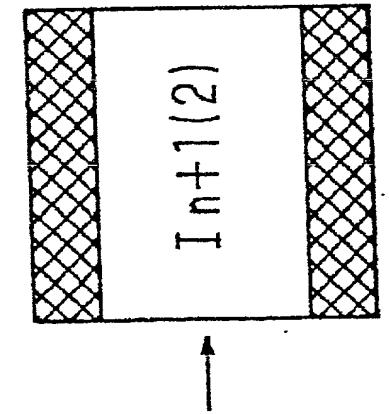


FIG. 20C

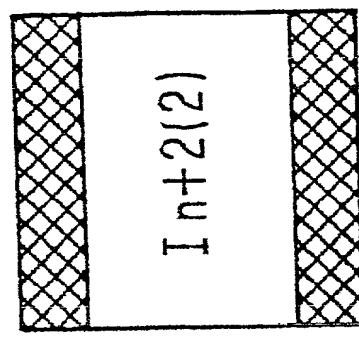
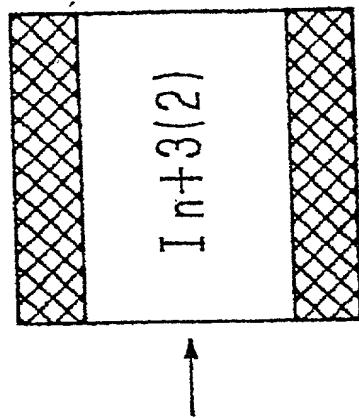


FIG. 20D



: MASK DATA



FIG. 21A

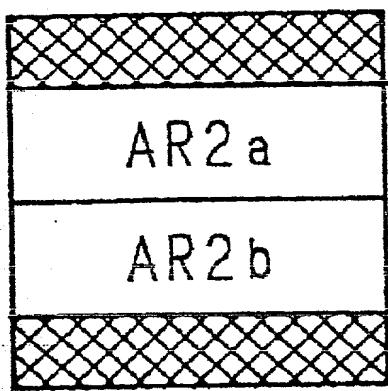


FIG. 21B

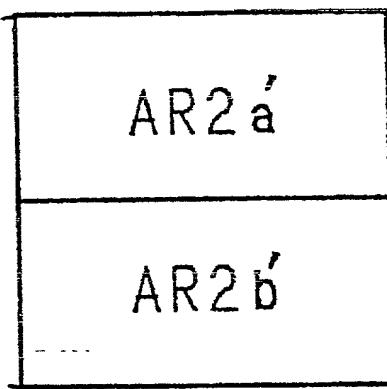


FIG. 22

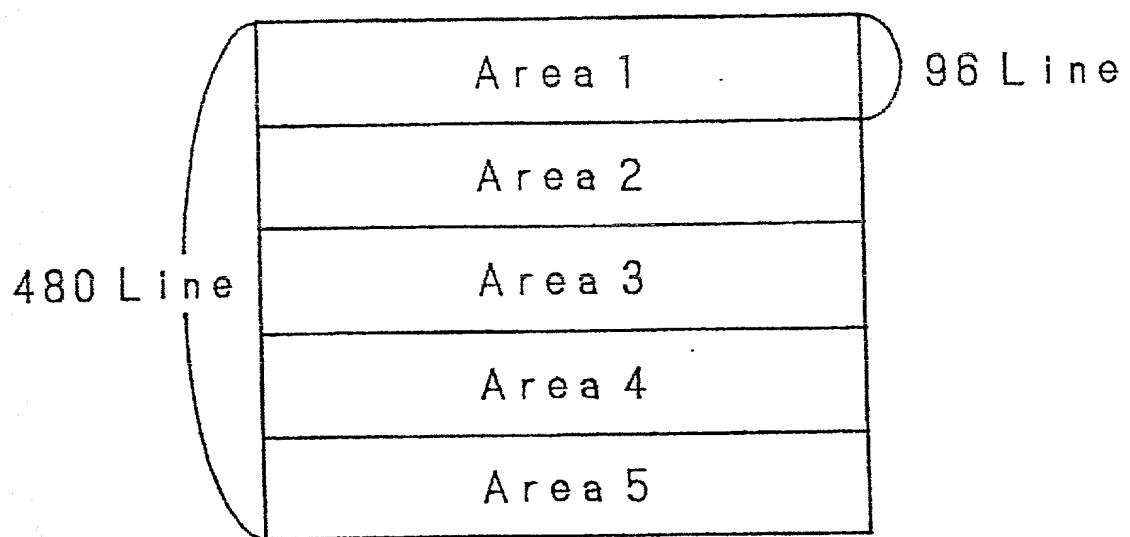


FIG. 23

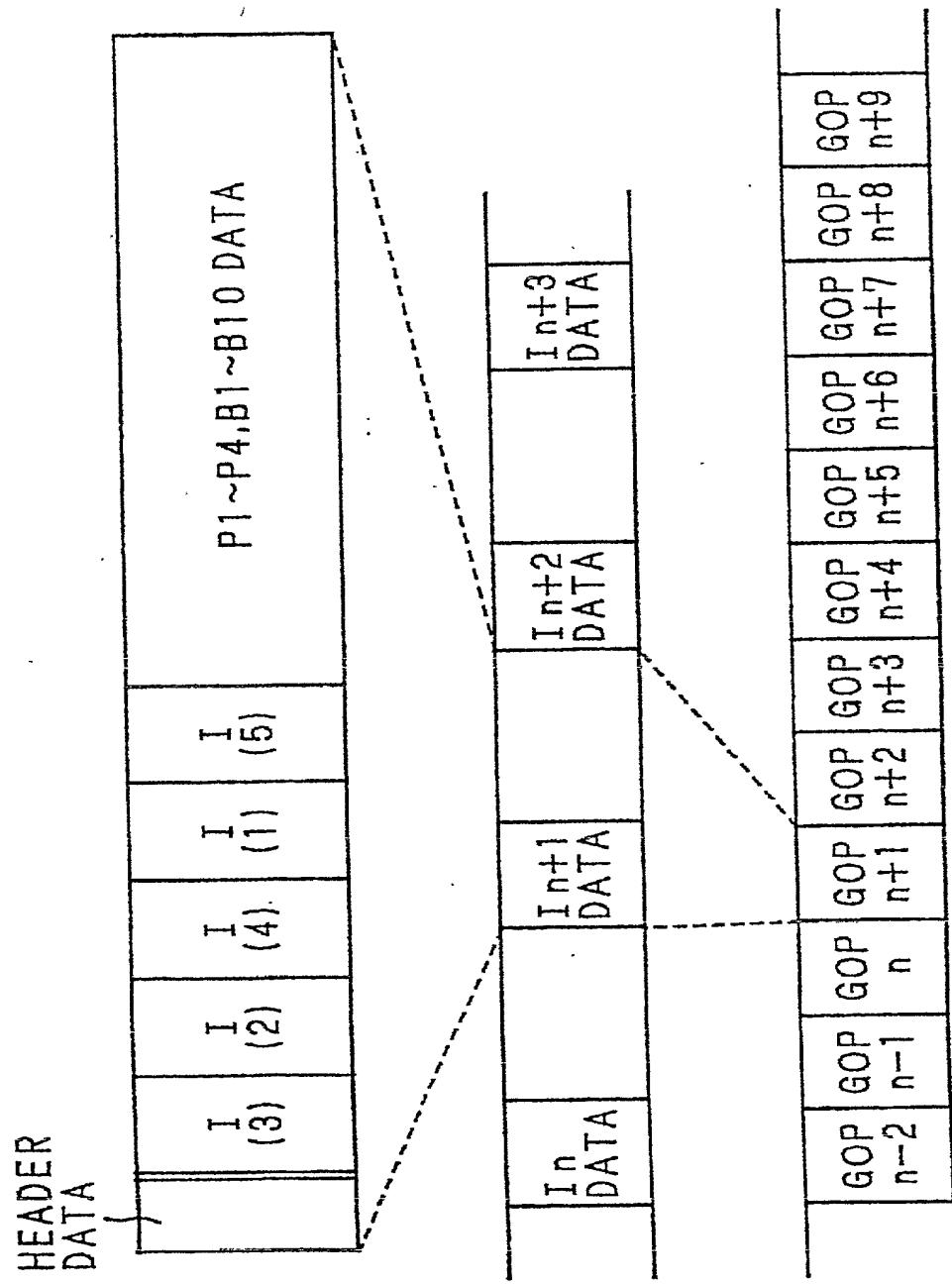


FIG. 24 A

In(1)
In(2)
In(3)
In(4)
In(5)

FIG. 24 B

In+1(1)
In+1(2)
In+1(3)
In+1(4)
In(5)

FIG. 24 C

In+2(1)
In+2(2)
In+2(3)
In+2(4)
In+2(5)

FIG. 24 D

In+4(1)
In+4(2)
In+4(3)
In+4(4)
In+4(5)

FIG. 24 E

FIG. 25A

I(3)	I(2)	I(4)	I(1)	I(5)	P1~P4	B1~B10
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FIG. 25B

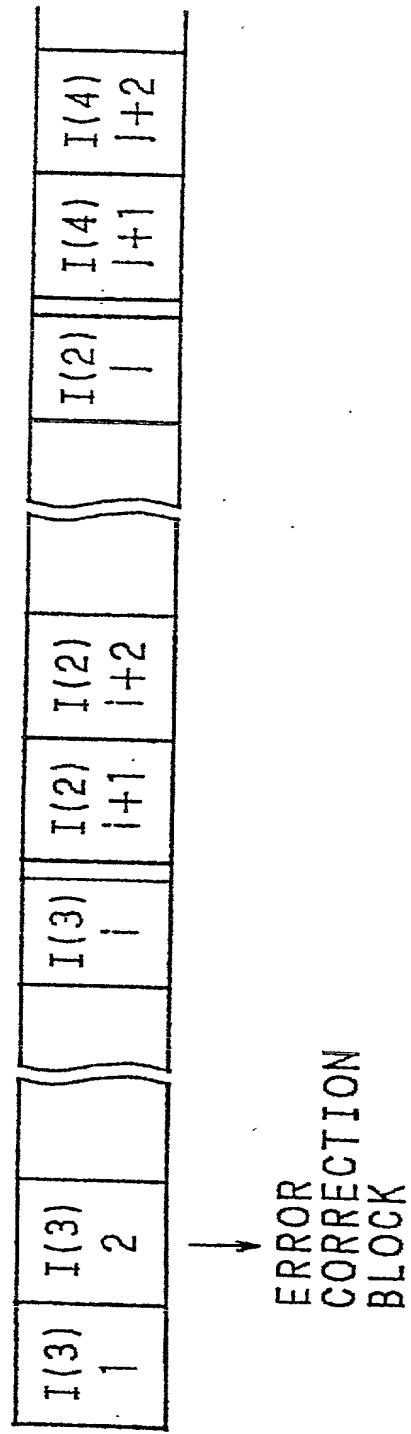


FIG. 26A

In+4(1)
In+3(2)
In+2(3)
In+1(4)
In (5)



FIG. 26B

In+5(1)
In+4(2)
In+3(3)
In+2(4)
In+1(5)



FIG. 26C

In+7(1)
In+6(2)
In+5(3)
In+4(4)
In+3(5)



FIG. 26D

FIG. 27A

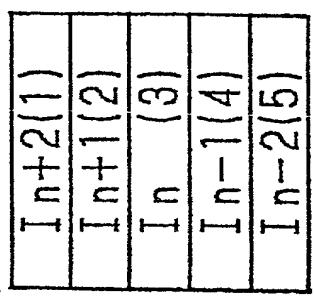


FIG. 27B FIG. 27C

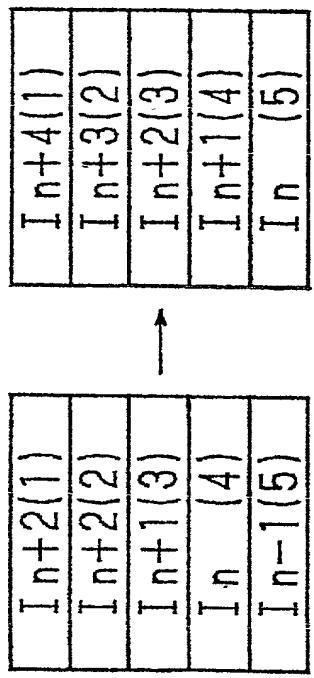


FIG. 27 D

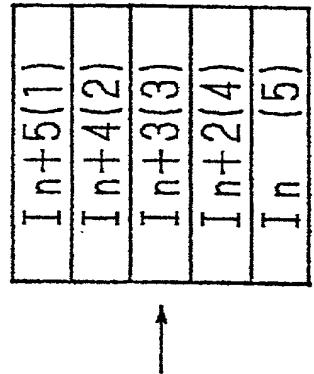


FIG. 27 E

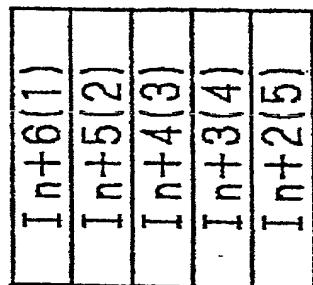


FIG. 27 F

FIG. 28

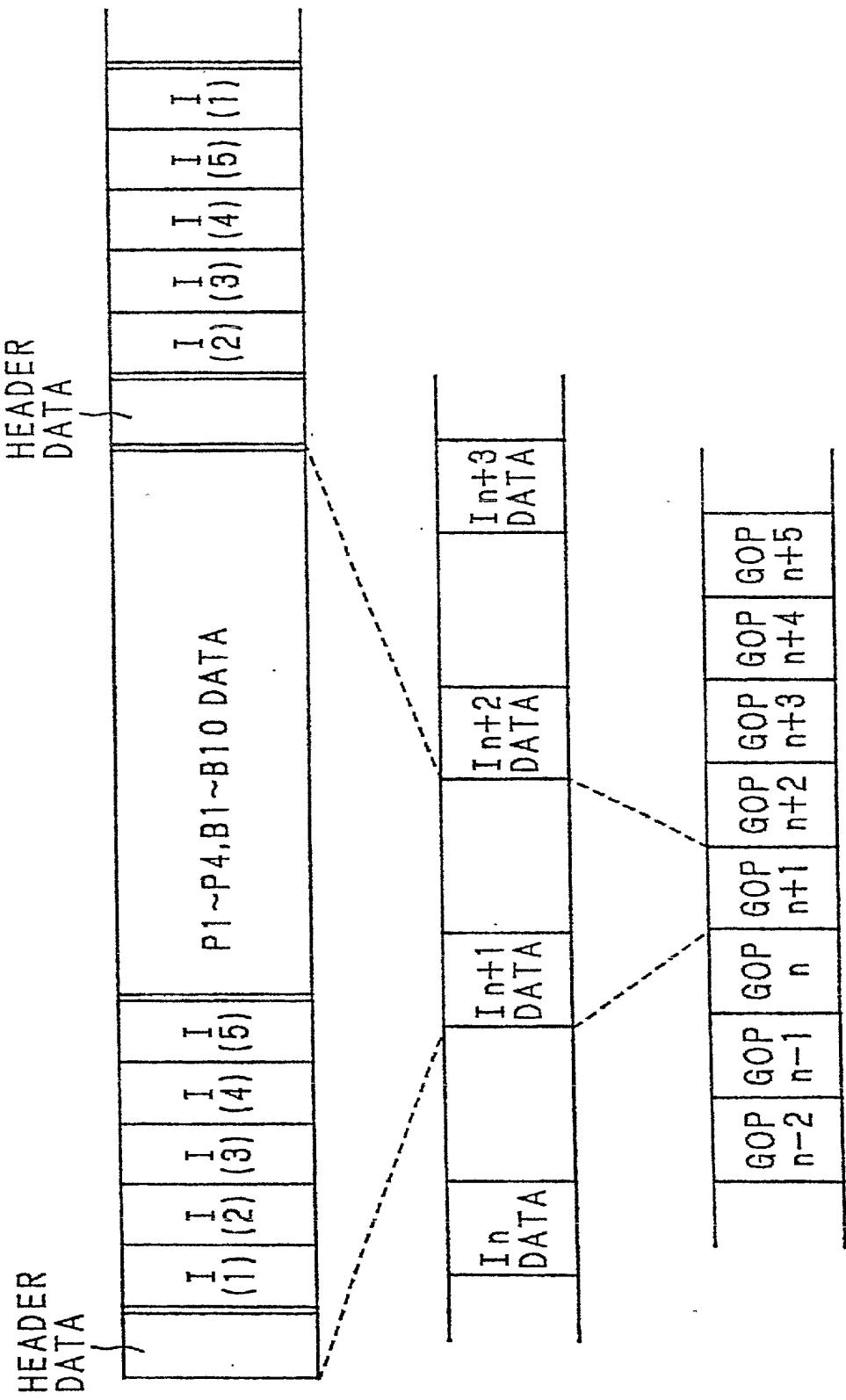


FIG. 29A

In(1)	In+1(1)
In(2)	In+1(2)
In(3)	In+1(3)
In(4)	In+1(4)
In(5)	In(5)

FIG. 29B

In+2(1)	In+2(1)
In+2(2)	In+2(2)
In+2(3)	In+3(3)
In+2(4)	In+3(4)
In+2(5)	In+3(5)

FIG. 29C

In+4(1)	In+4(1)
In+4(2)	In+4(2)
In+4(3)	In+4(3)
In+4(4)	In+4(4)
In+4(5)	In+4(5)

FIG. 29D

In+2(1)	In+2(1)
In+2(2)	In+2(2)
In+2(3)	In+3(3)
In+2(4)	In+2(4)
In+2(5)	In+2(5)

FIG. 29E

In+4(1)	In+4(1)
In+4(2)	In+4(2)
In+4(3)	In+4(3)
In+4(4)	In+4(4)
In+4(5)	In+4(5)

FIG. 30

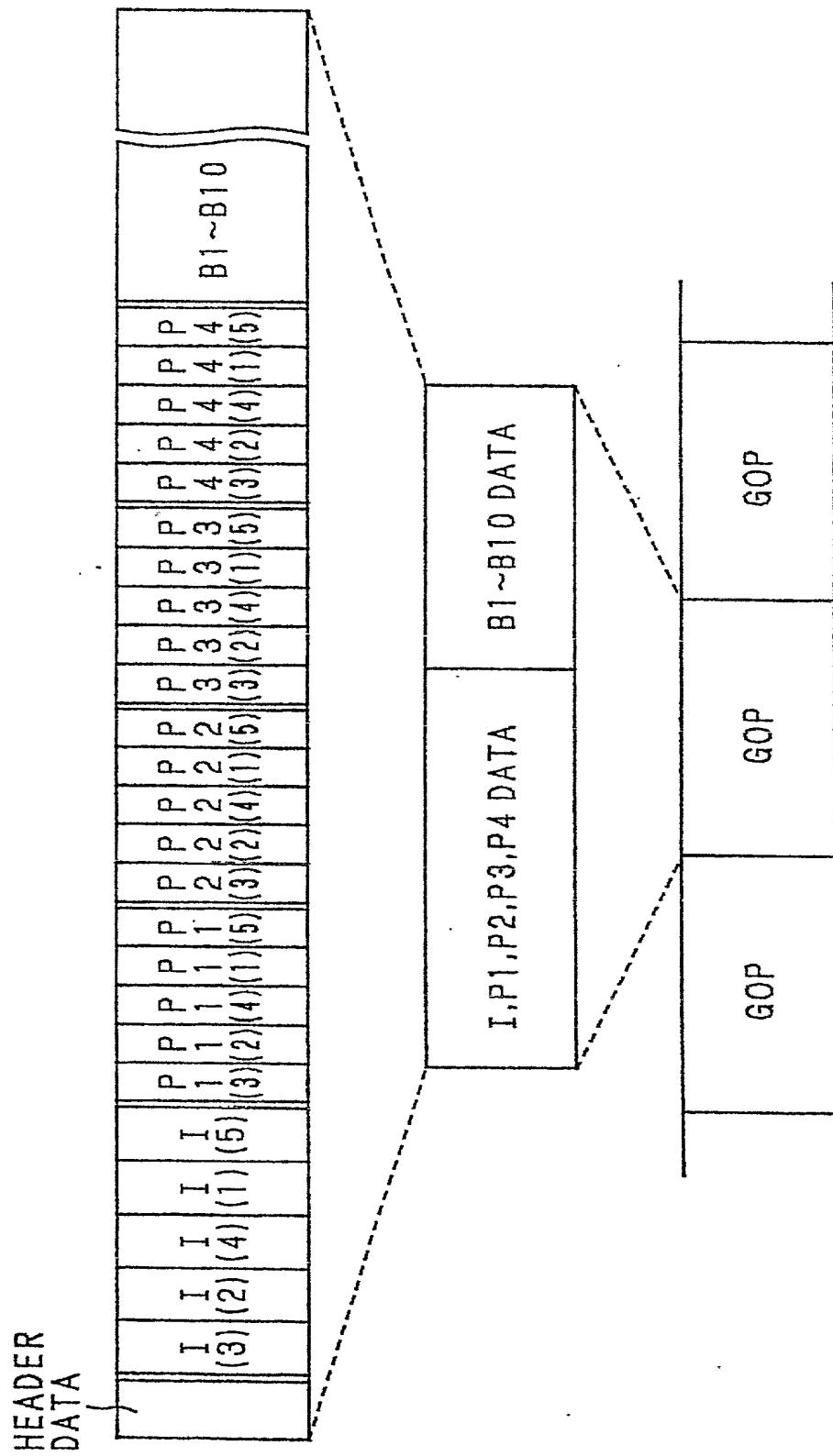


FIG. 31 A

I _n (1)
I _n (2)
I _n (3)
I _n (4)
I _n (5)



FIG. 31 B

P1 n(1)
P1 n(2)
P1 n(3)
P1 n(4)
P1 n(5)



FIG. 31 C

P2 n(1)
P2 n(2)
P2 n(3)
P2 n(4)
P2 n(5)



FIG. 31 D

P3 n(1)
P3 n(2)
P3 n(3)
P3 n(4)
P3 n(5)



FIG. 31 E

P3 n(1)
P4 n(2)
P4 n(3)
P3 n(4)
P3 n(5)



FIG. 31 F

I _{n+1} (1)
I _{n+1} (2)
I _{n+1} (3)
I _{n+1} (4)
I _{n+1} (5)



FIG. 32 A

I(3)	I(2)	I(4)	I(1)	I(5)	P1 (3)	P1 (2)	P4 (3)	P4 (2)	B1~B10 DATA
------	------	------	------	------	-----------	-----------	-----------	-----------	-------------

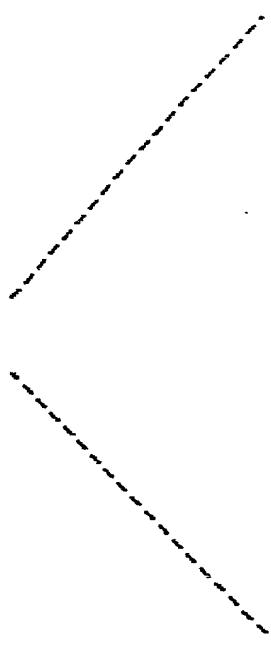


FIG. 32 B

I(5) i-1	I(5) i	P1(3) i+1	P1(3) i+2	P1(3) i+3	P1(3) i	P1(2) i+1	P1(2) i+2
-------------	-----------	--------------	--------------	--------------	------------	--------------	--------------

↓
ERROR
CORRECTION
BLOCK

FIG. 33A

P4n(1)
P3n(2)
P2n(3)
P1n(4)
In(5)



FIG. 33B

In+1(1)
P4n(2)
P3n(3)
P2n(4)
P1n(5)



FIG. 33C

P1n+1(1)
In+1(2)
P4n(3)
P3n(4)
P2n(5)



FIG. 33E

P3n+1(1)
P2n+1(2)
P1n+1(3)
In+1(4)
P4n(5)



FIG. 33F

P4n+1(1)
P3n+1(2)
P2n+1(3)
P1n+1(4)
In+1(5)



FIG. 33G

In+2(1)
P4n+1(2)
P3n+1(3)
P2n+1(4)
P1n+1(5)

FIG. 34 A

P3n (1)
P2n (2)
P1n (3)
In (4)
P4n-1(5)



FIG. 34 B

P3n(1)
P3n(2)
P2n(3)
P1n(4)
In(5)



FIG. 34 C

In+1(1)
P4n (2)
P3n (3)
P2n (4)
P1n (5);



FIG. 34 D

FIG. 34 E

P2n+1(1)
P1n+1(2)
In+1 (3)
P3n (4)
P3n (5)



FIG. 34 F

P1n+1(1)
In+1 (2)
P3n (3)
In+1 (4)
P3n (5)



FIG. 35

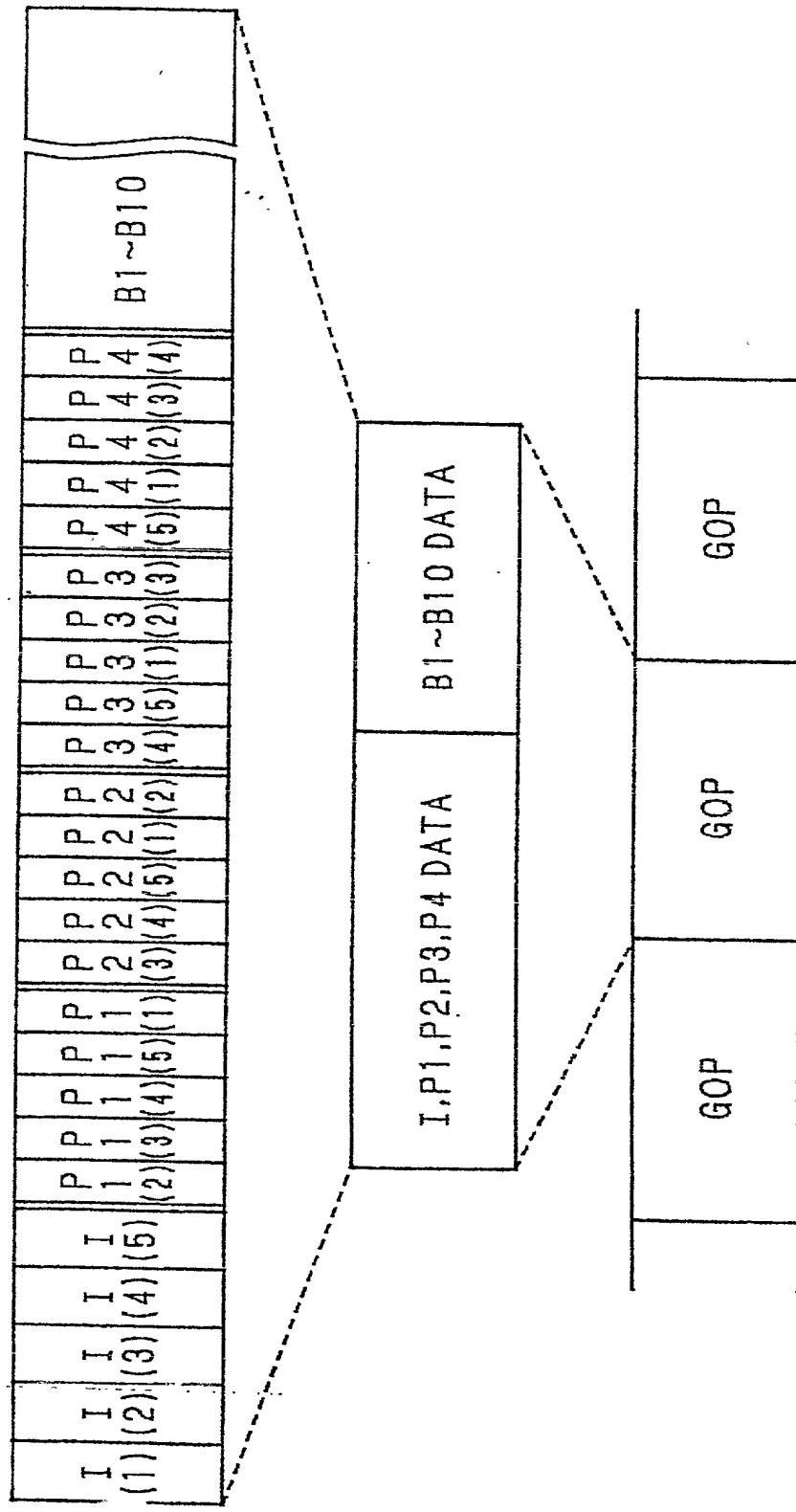


FIG. 36A

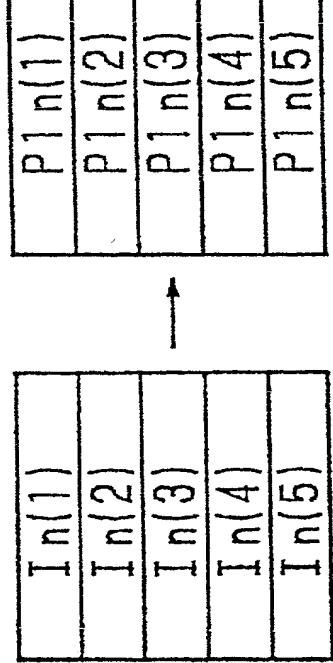


FIG. 36B

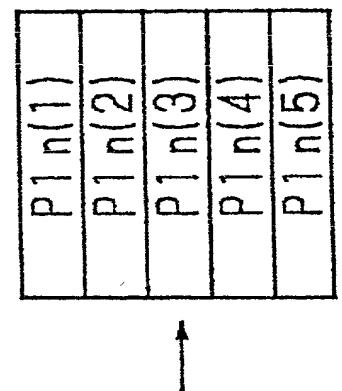


FIG. 36C

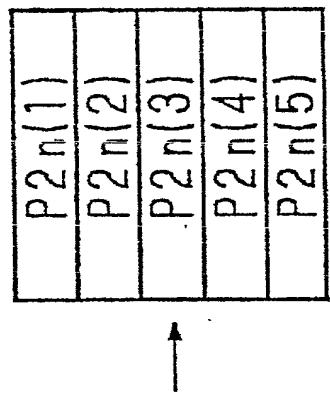


FIG. 36D

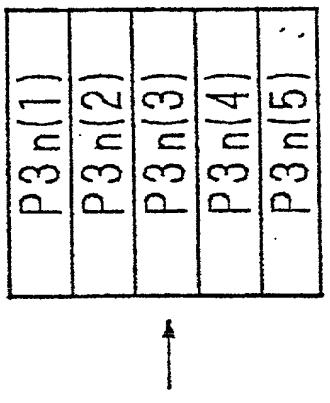


FIG. 36E

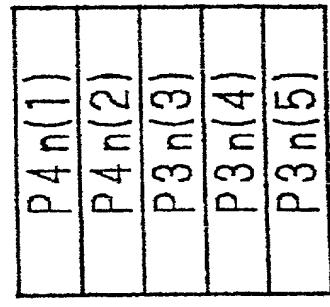


FIG. 36F

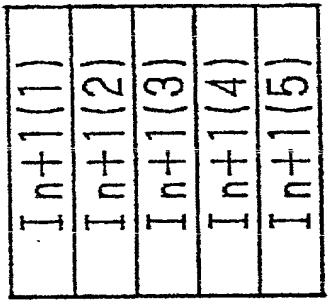


FIG. 37

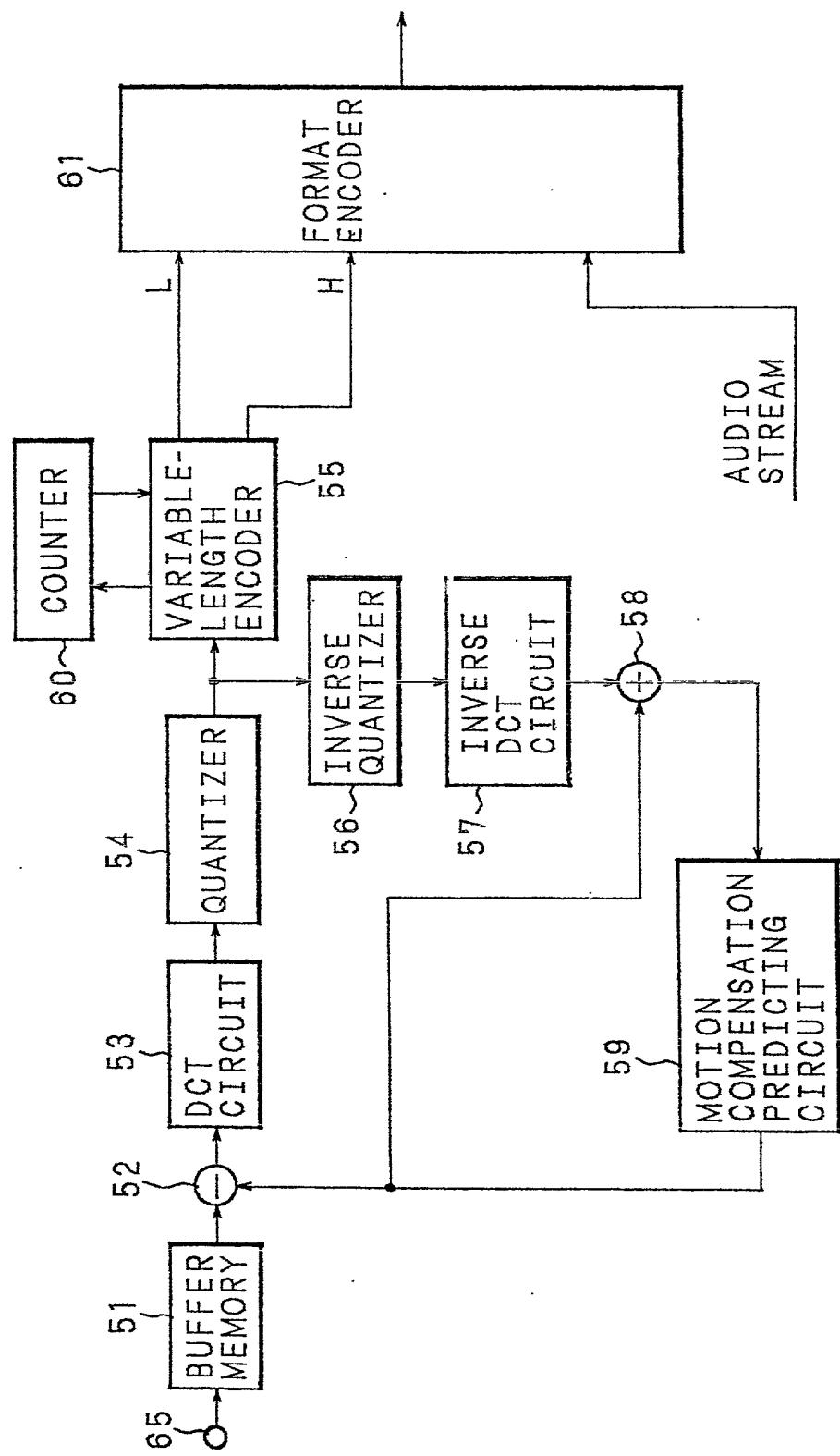


FIG. 38

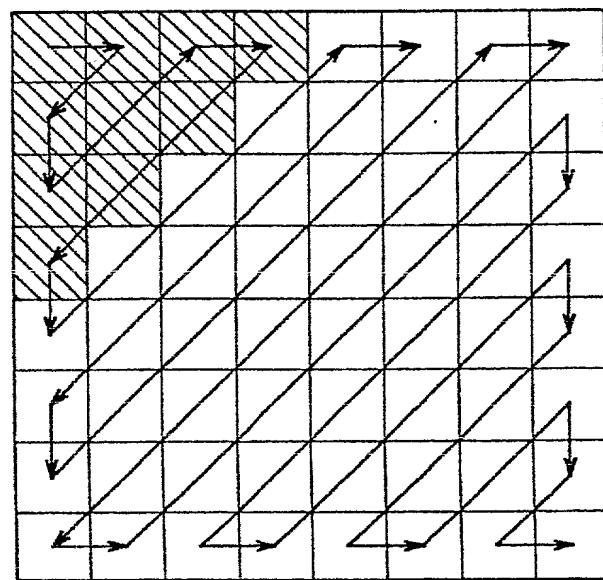


FIG. 39

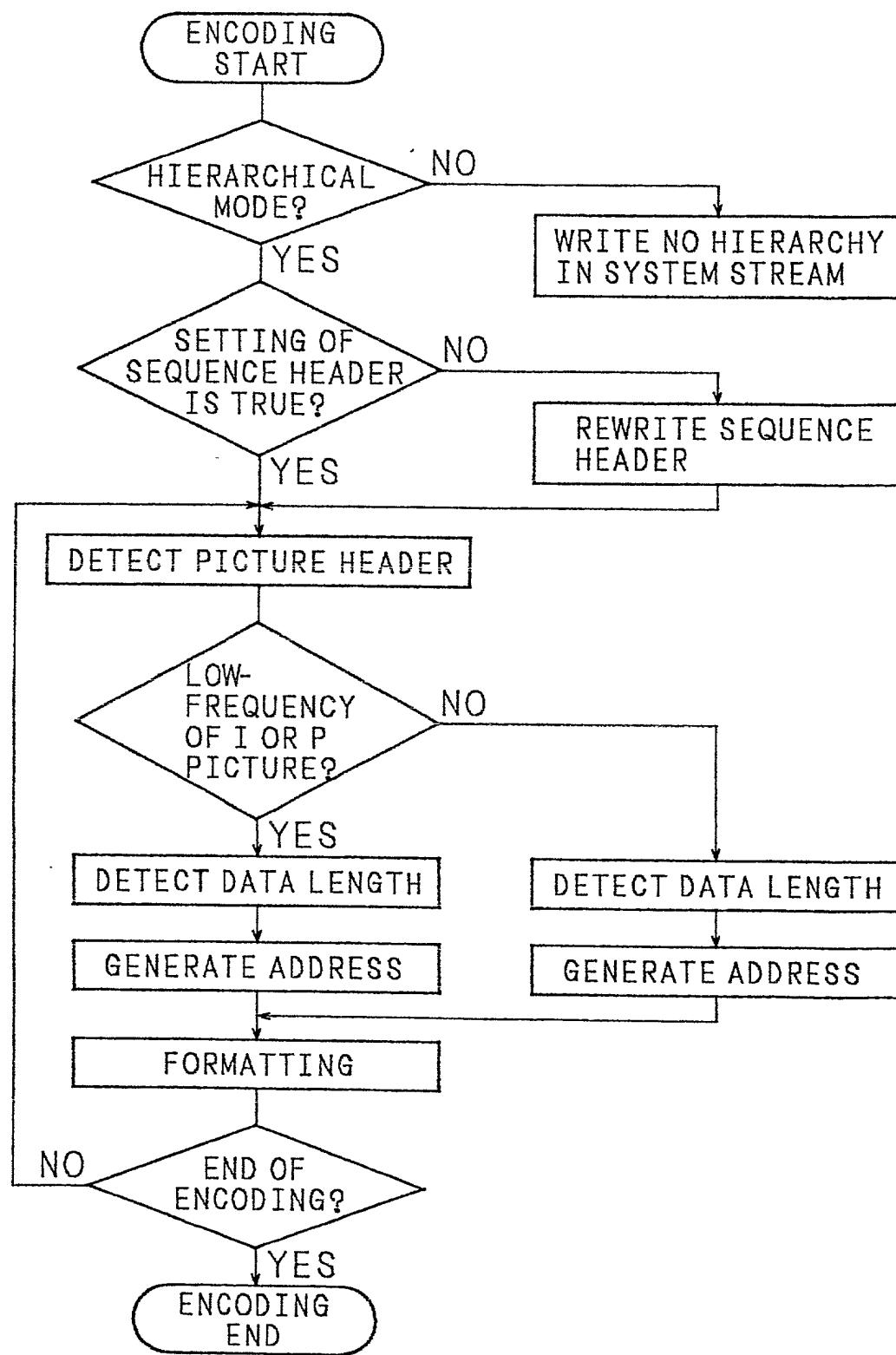


FIG. 40

```
sequence_scalable_extension(){
    extension_start_code_identifier
    scalable_mode
    layer_id
    if(scable_mode=="spatial scalability"){
        lower_layer_prediction_horizontal_size
        maker_bit
        lower_layer_prediction_vertical_size
        horizontal_subsampling_factor_m
        horizontal_subsampling_factor_n
        vertical_subsampling_factor_m
        vertical_subsampling_factor_n
    }
    if(scable_mode=="temporal scalability"){
        picture_mux_enable
        if(picture_mux_enable)
            mux_to_progressive_sequence
        picture_mux_order
        picture_mux_factor
    }
    next_start_code()
}

slice(){
    slice_start_code
    if(vertical_size>2800)
        slice_vertical_position_extension
    if(<sequence_scalable_extention() is present in the bitstream>)
        if(scable_mode=="data partitioning")
            priority_breakpoint
    quantiser_scale_code
    if(nextbits()=='1'){
        intra_slice_flag
        intra_slice
        reserved_bits
        while(nextbits()=='1'){
            extra_bit_slice
            extra_information_slice
        }
    }
    extra_bit_slice
    do{
        macroblock()
    }while(nextbits()!="000 0000 0000 0000 0000 0000")
    next_start_code()
}
```

FIG. 41 A
BITSTREAM IN
NO HIERARCHY

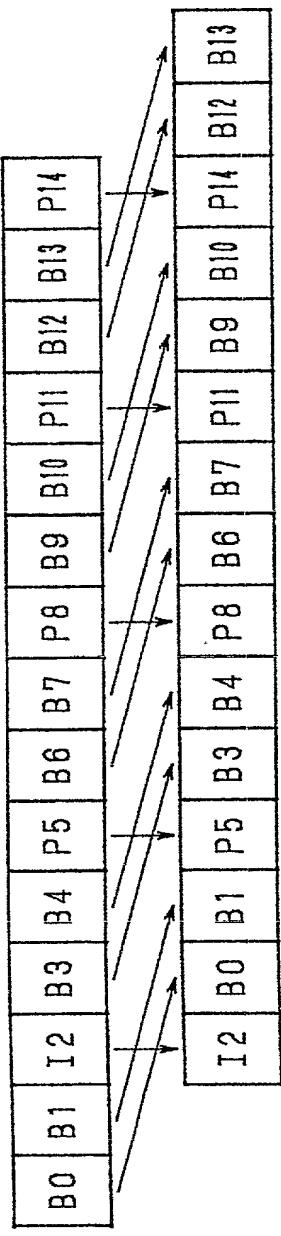


FIG. 41 B
BITSTREAM IN
HIERARCHY

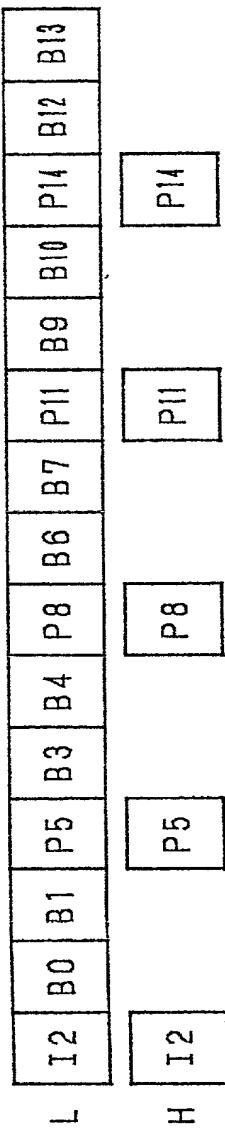


FIG. 41 C
REARRANGED BITSTREAM
IN CONSIDERATION OF
SPECIAL PLAYBACK

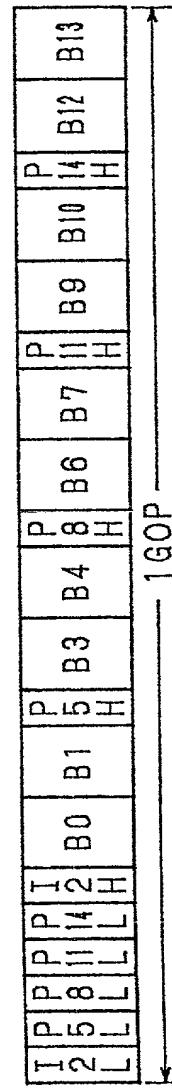


FIG. 41 D
PROGRAM
STREAM
FOR DISC
RECORDING

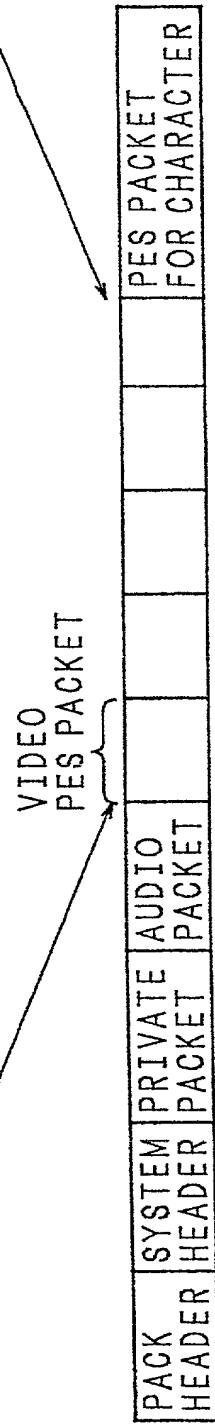


FIG. 42

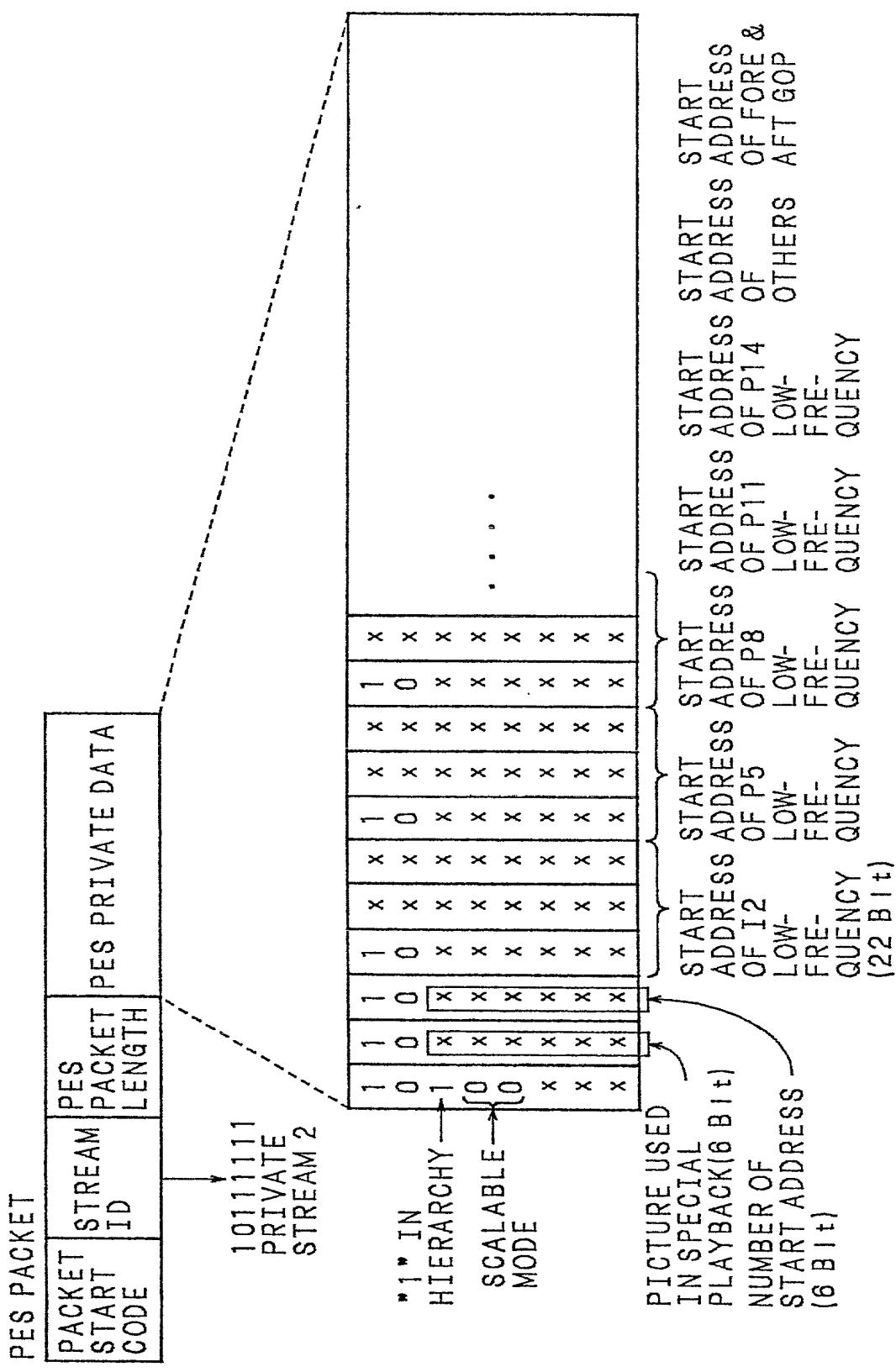
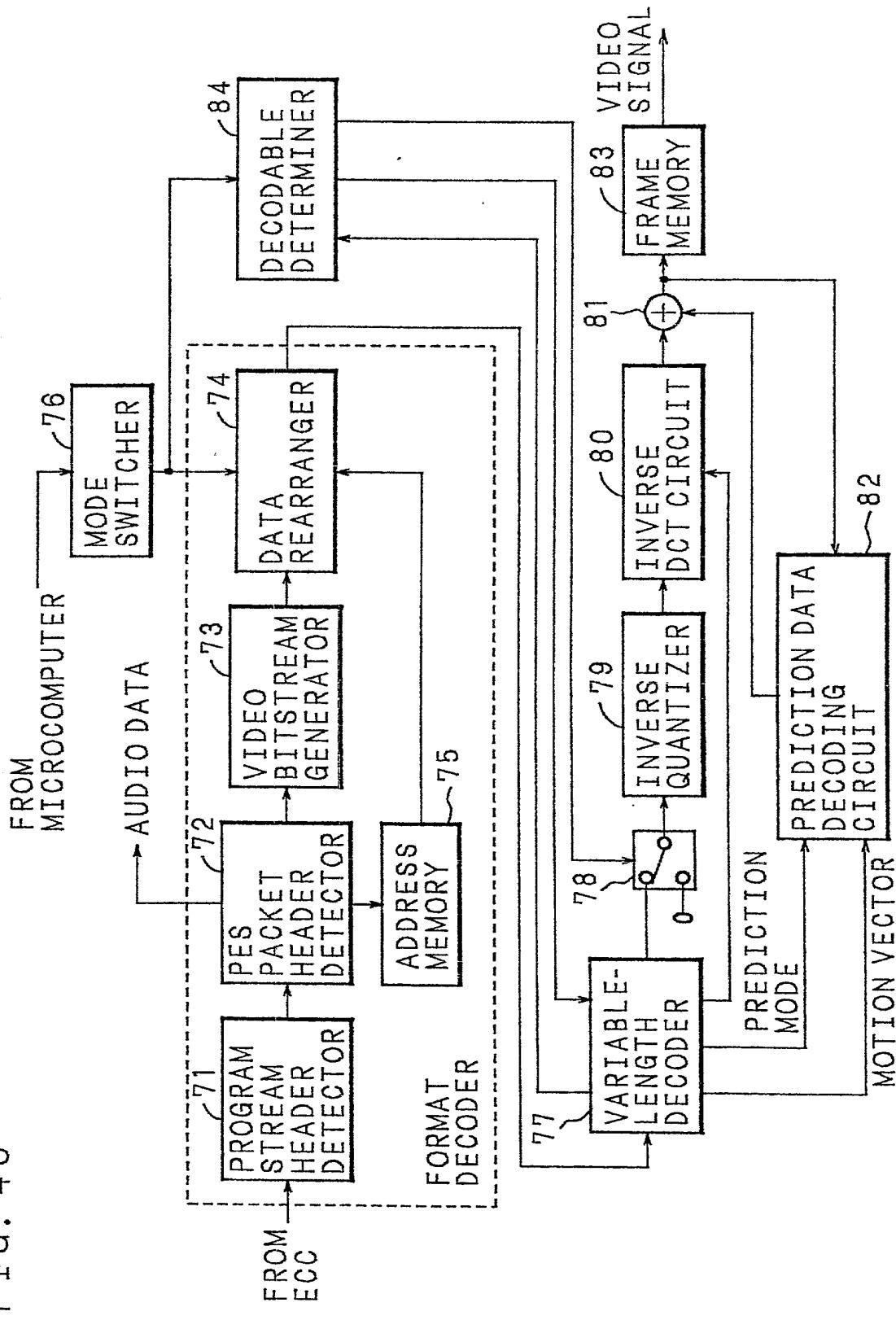


FIG. 43



F I G . 4 4

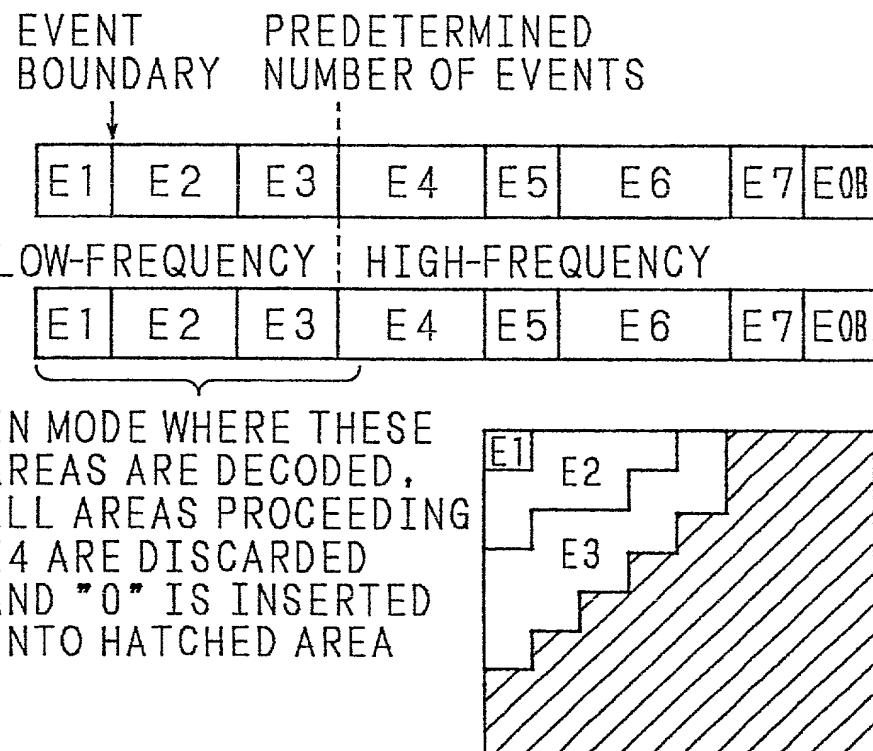


FIG. 45

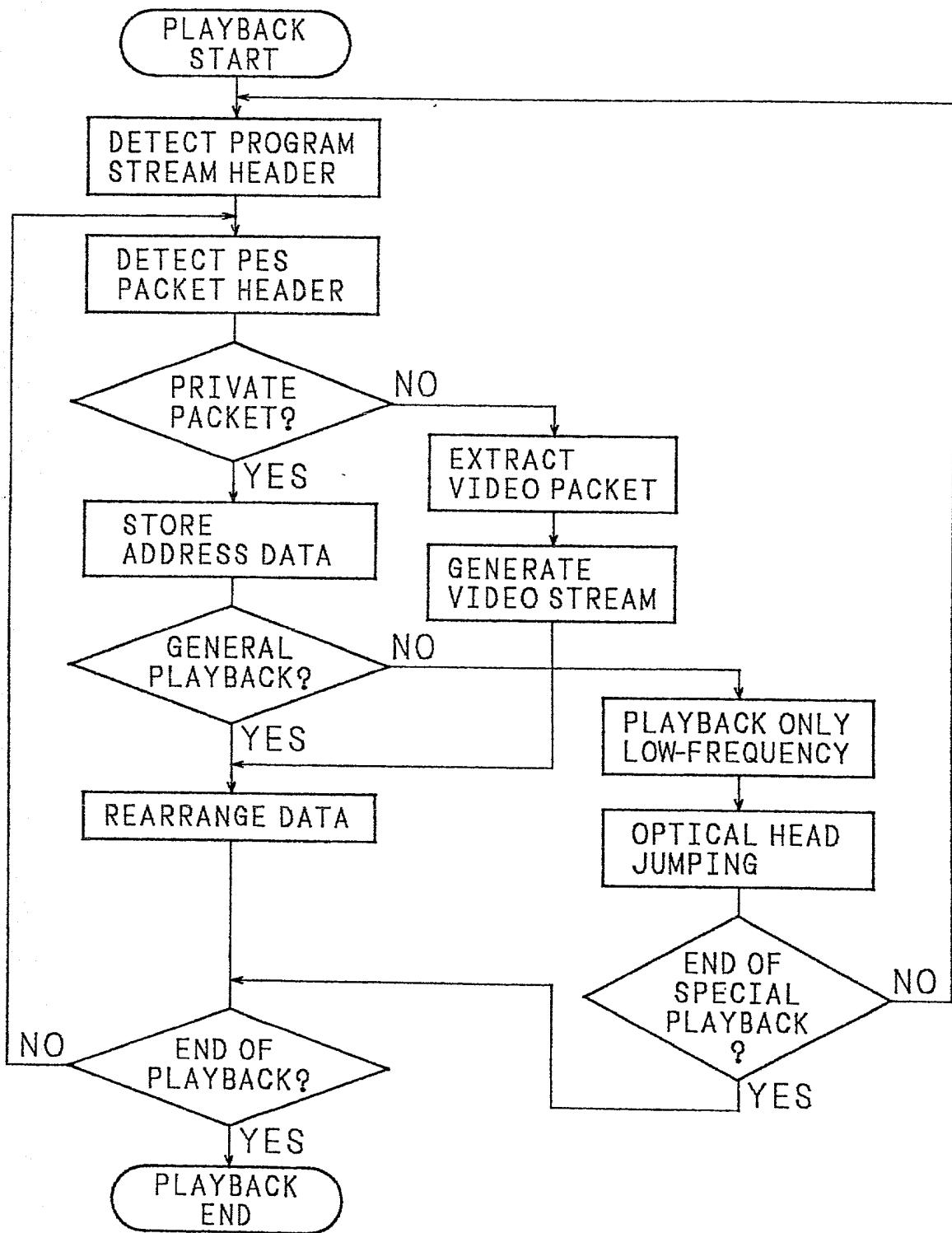


FIG. 46

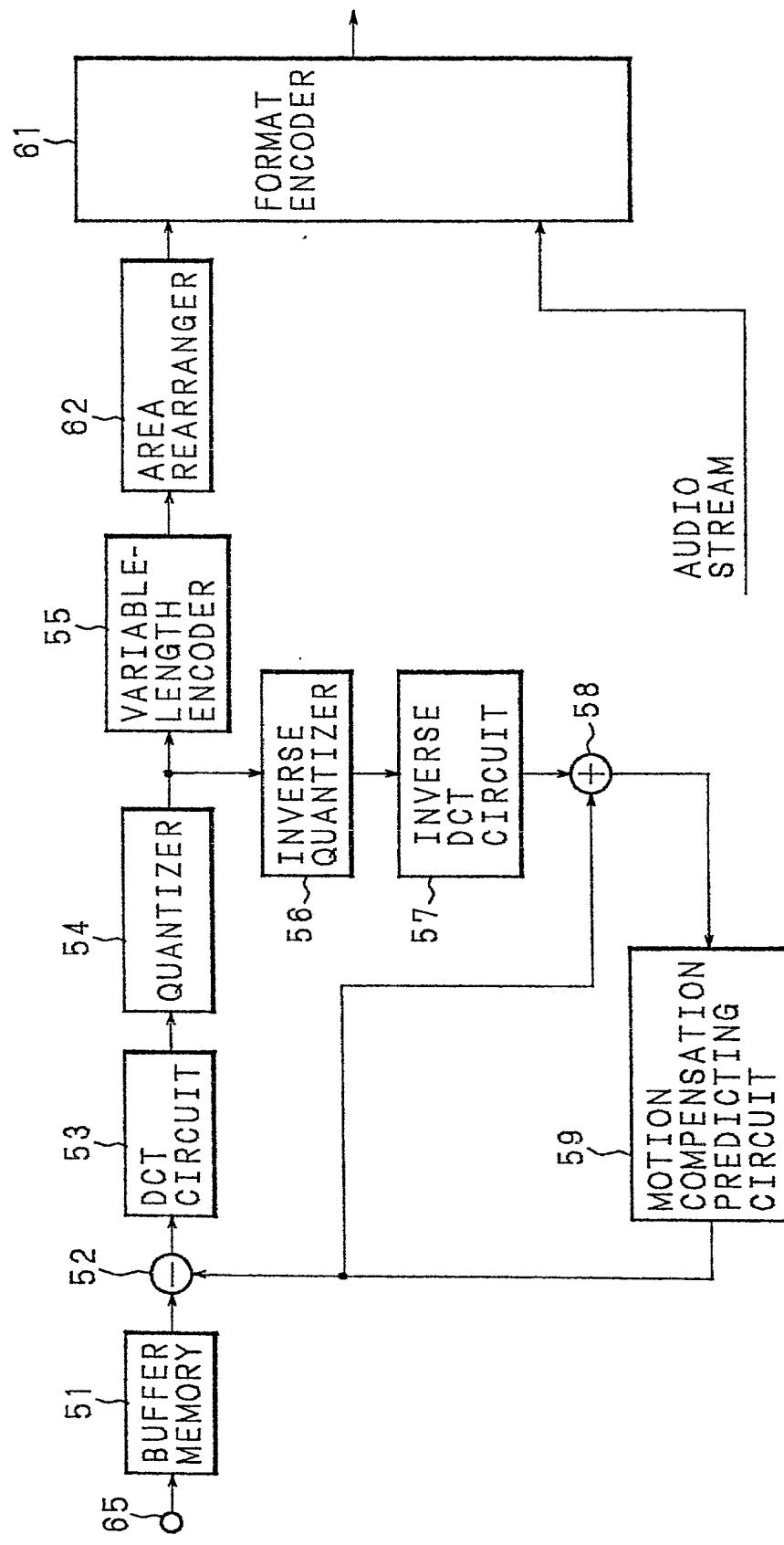


FIG. 47

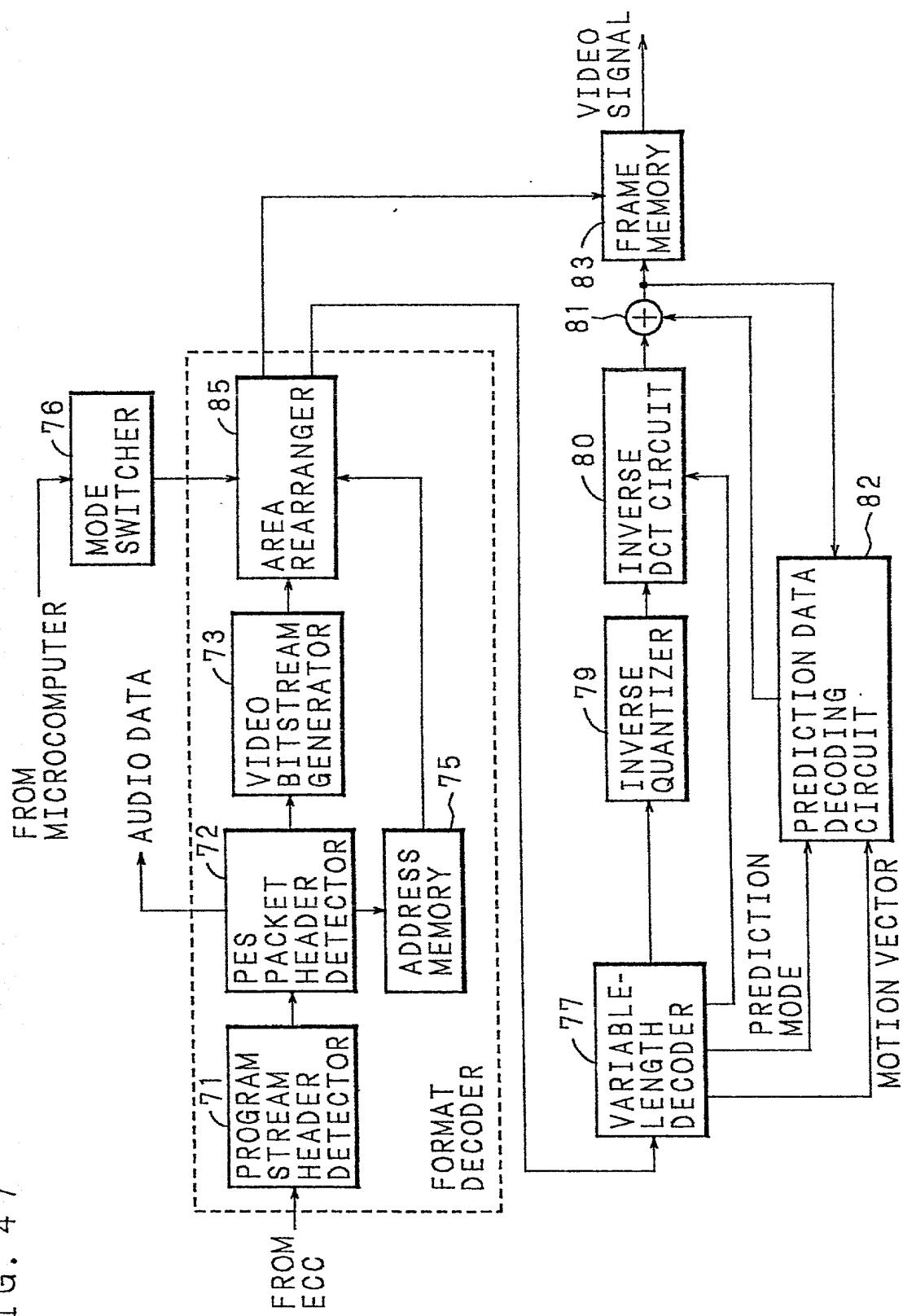


FIG. 48

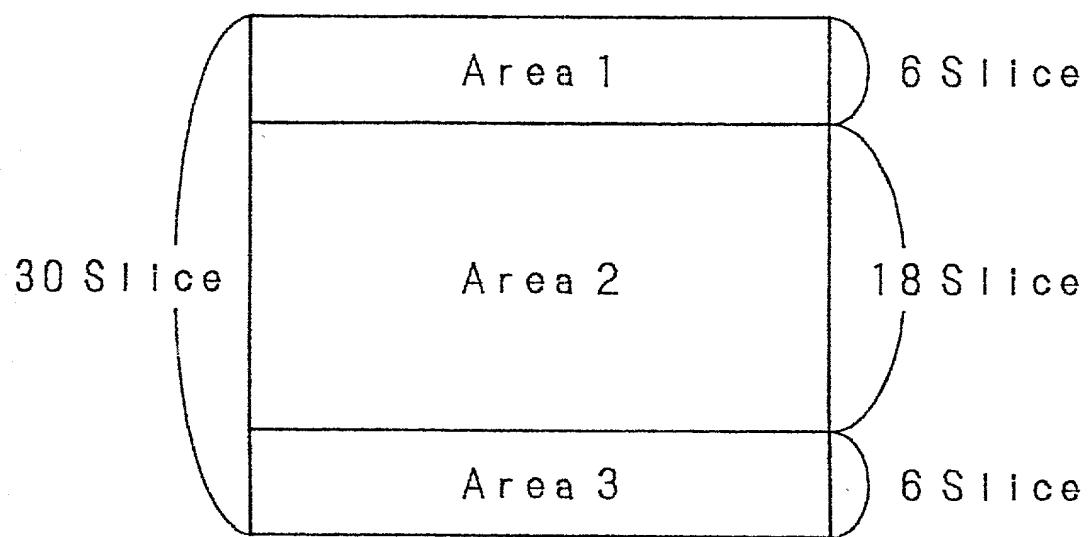


FIG. 49

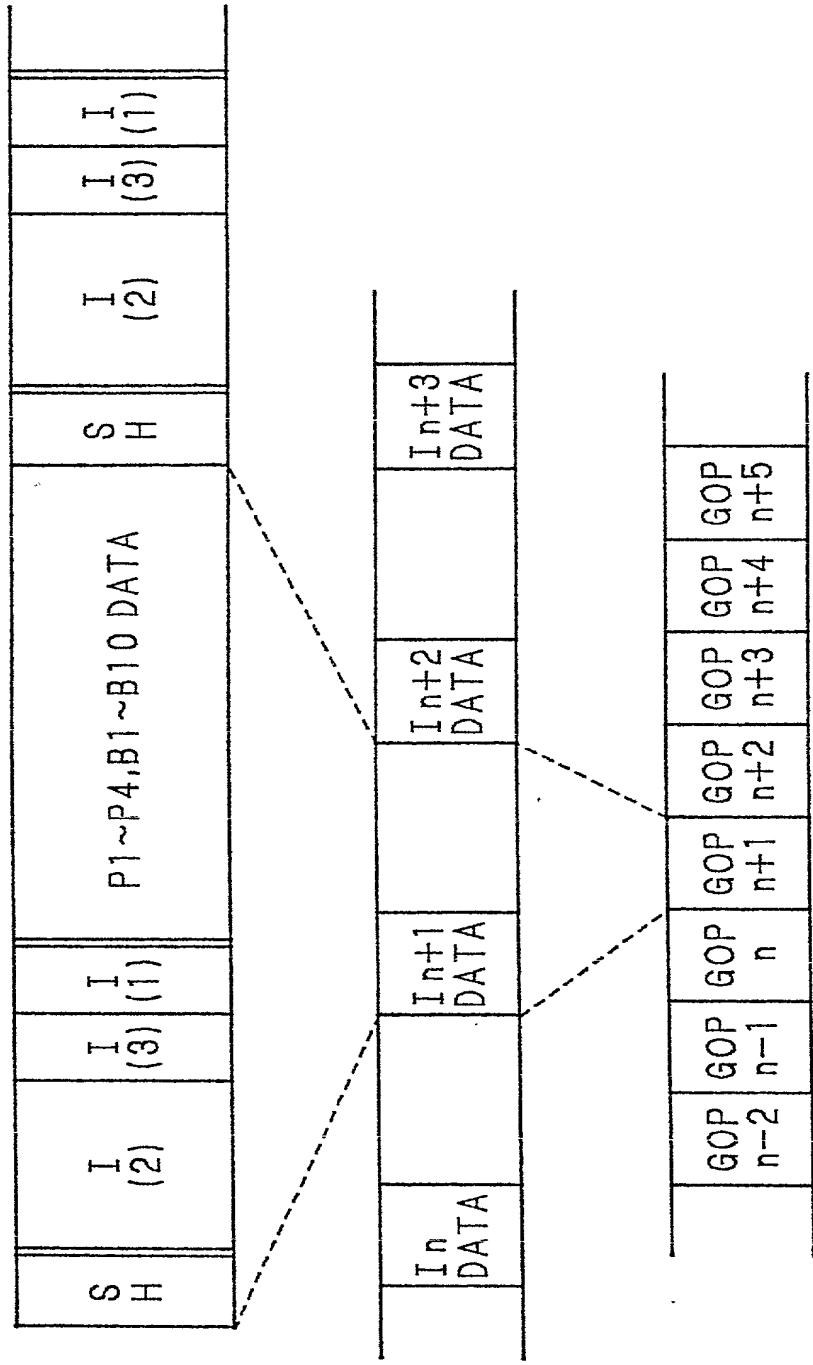


FIG. 50

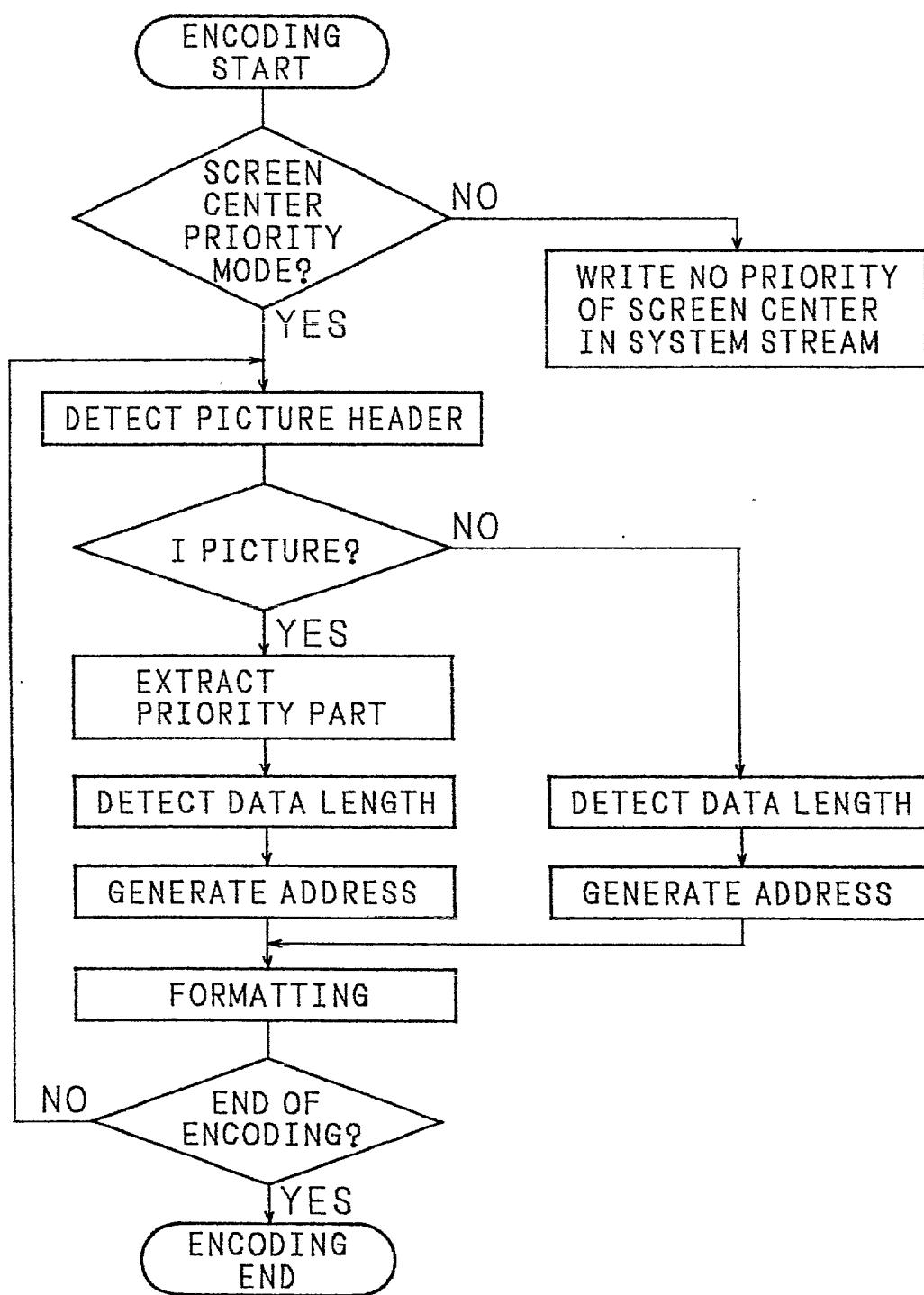


FIG. 51

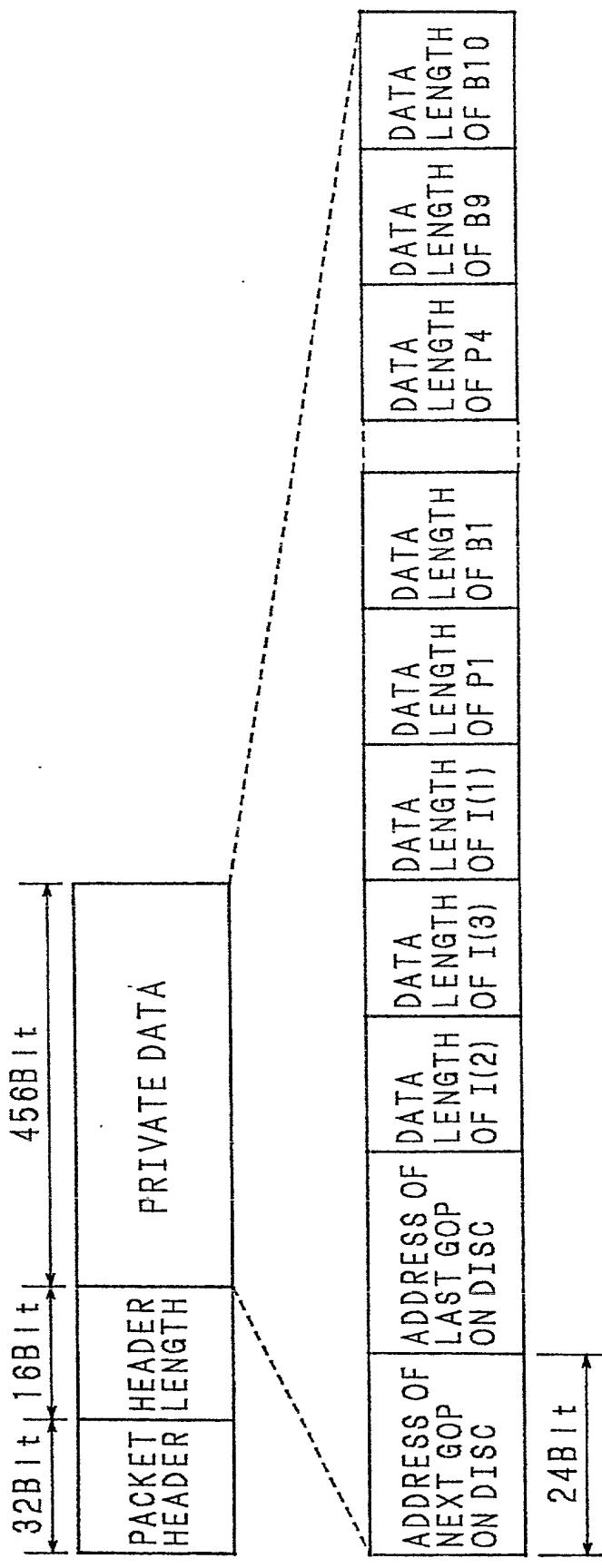


FIG. 52

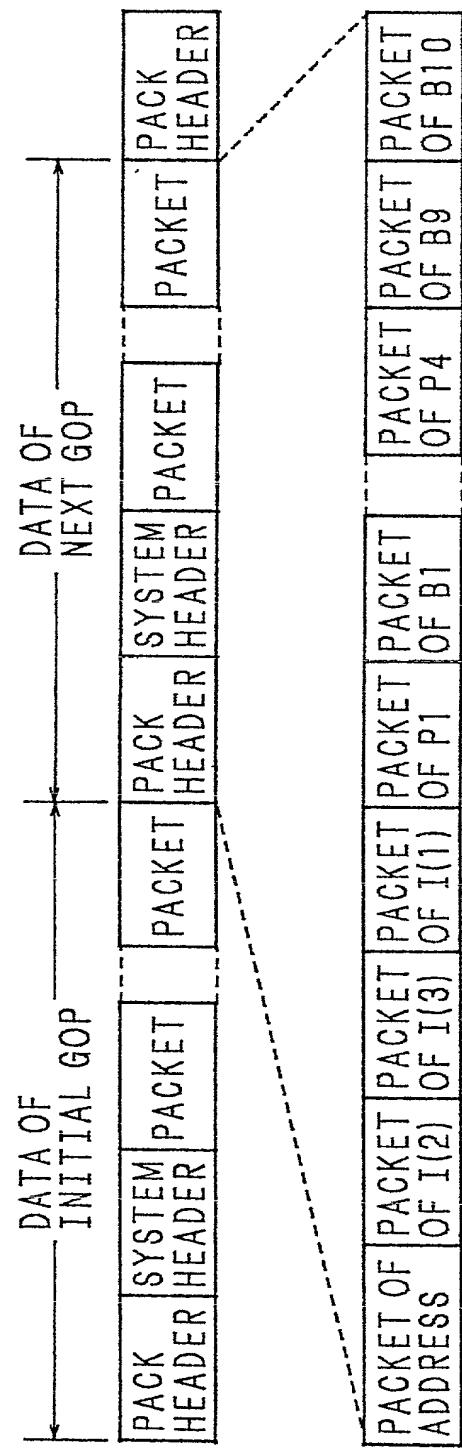


FIG. 53A

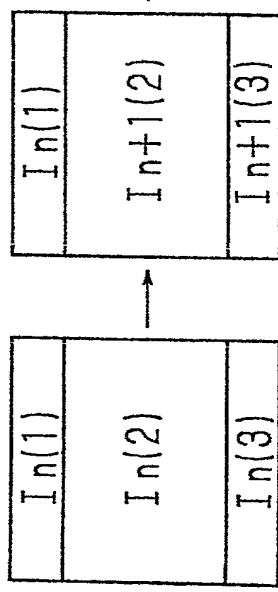


FIG. 53B

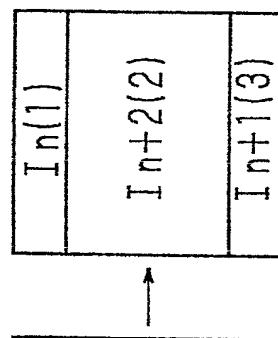


FIG. 53C

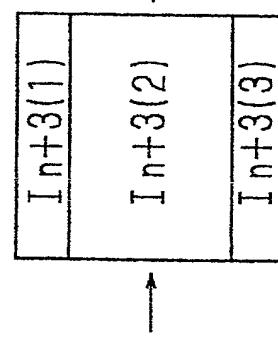


FIG. 53D

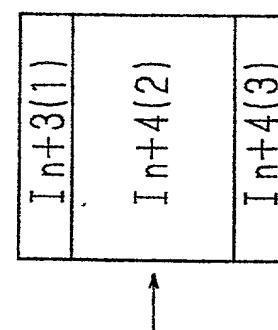
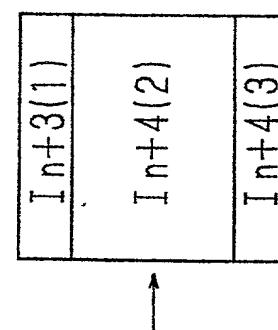


FIG. 53E



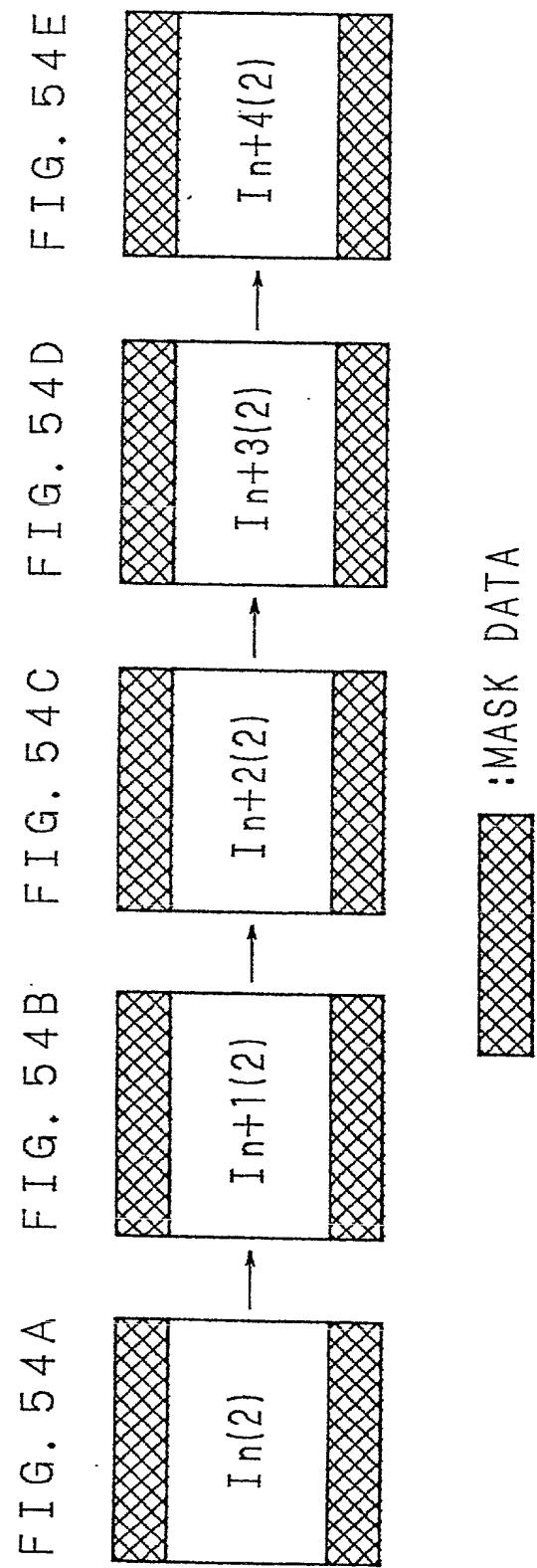


FIG. 55A

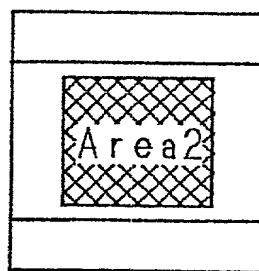


FIG. 55B

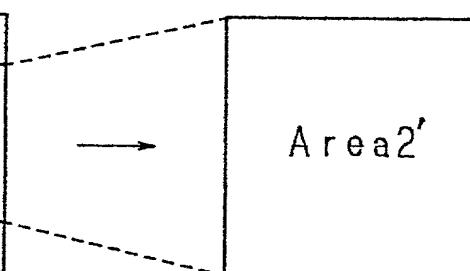


FIG. 56

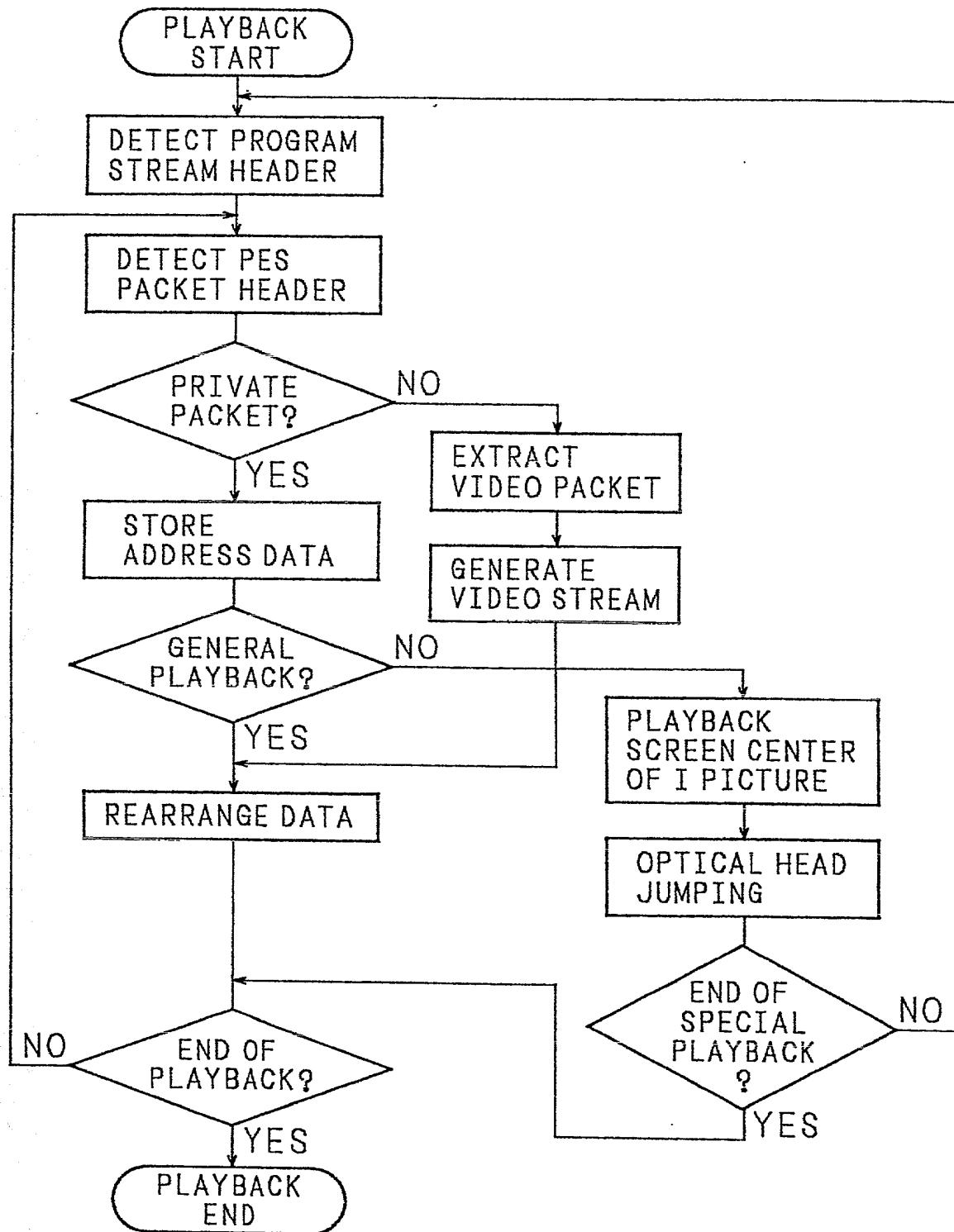


FIG. 57

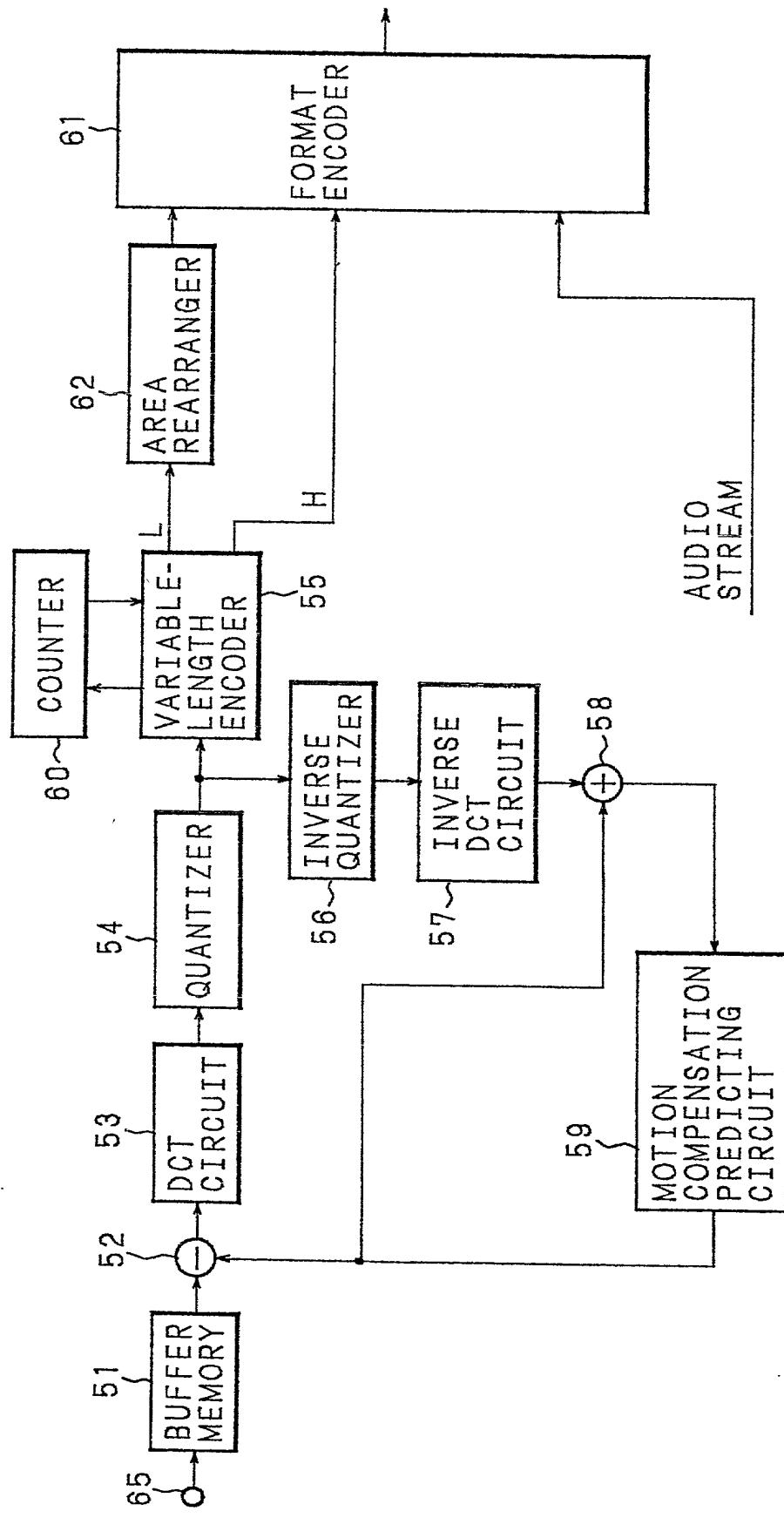


FIG. 58

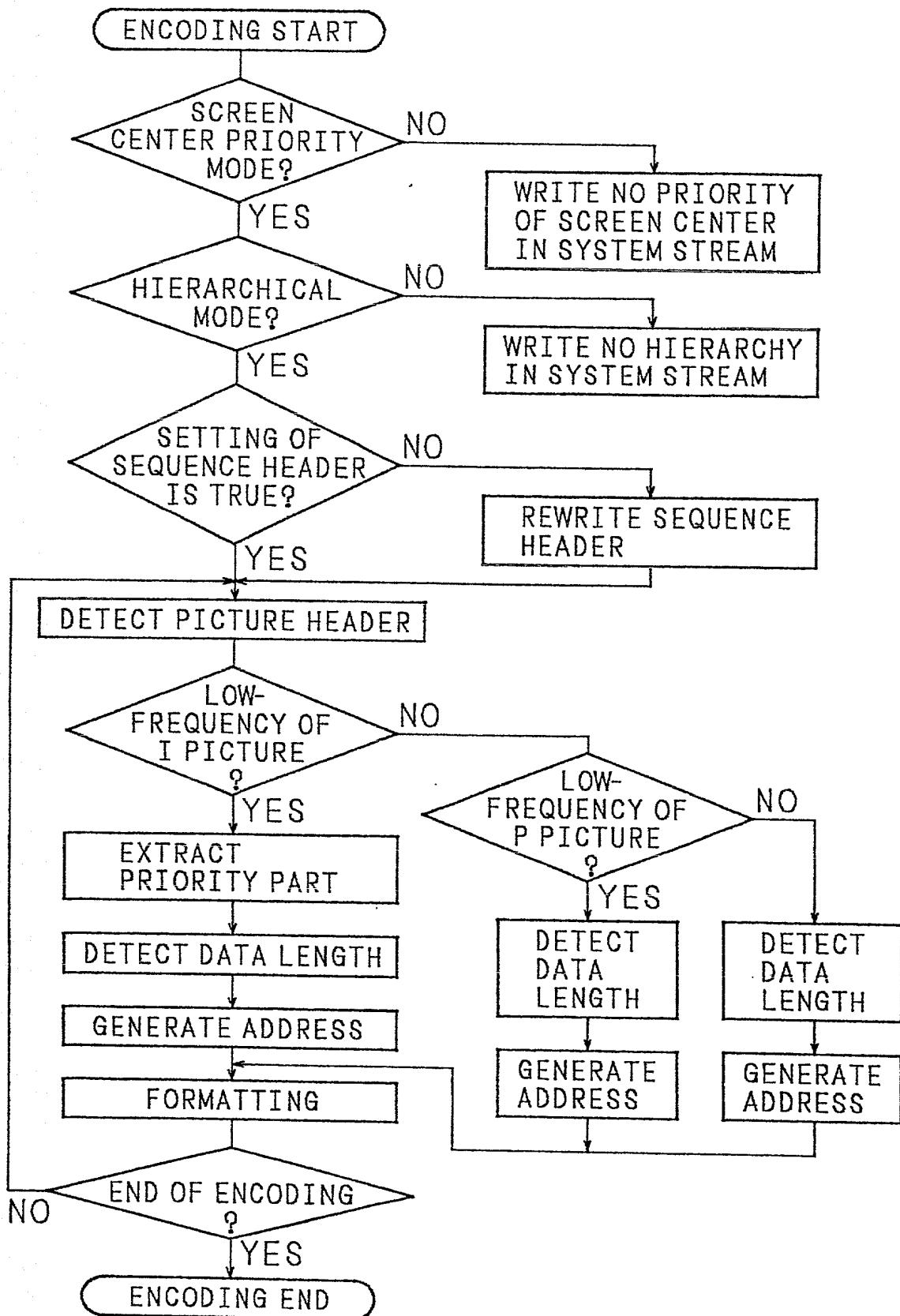


FIG. 59 A
BITSTREAM IN
NO HIERARCHY

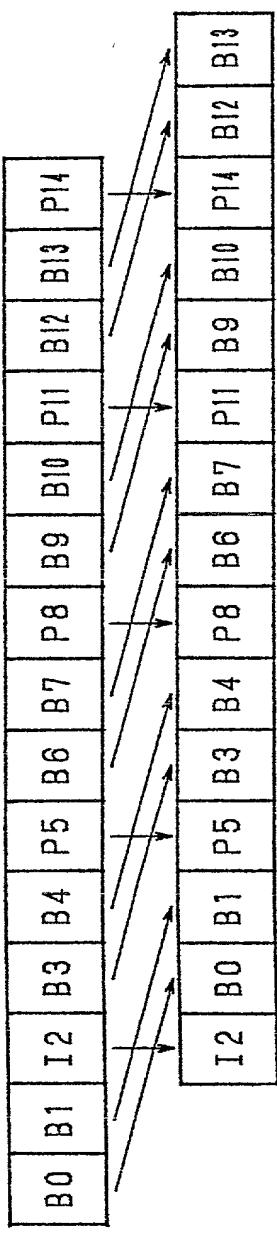


FIG. 59 B
BITSTREAM IN
HIERARCHY

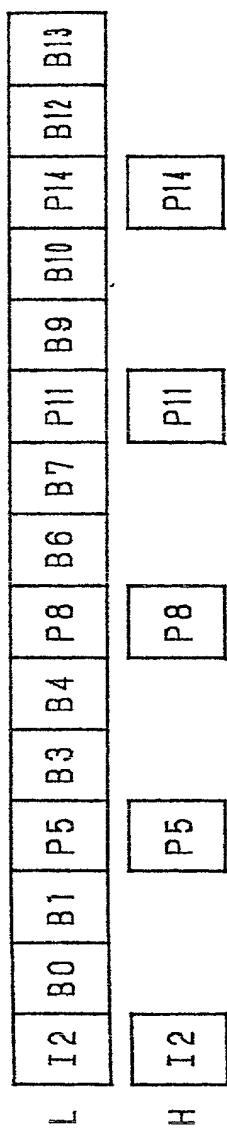


FIG. 59 C
REARRANGED BITSTREAM
IN CONSIDERATION OF
SPECIAL PLAYBACK

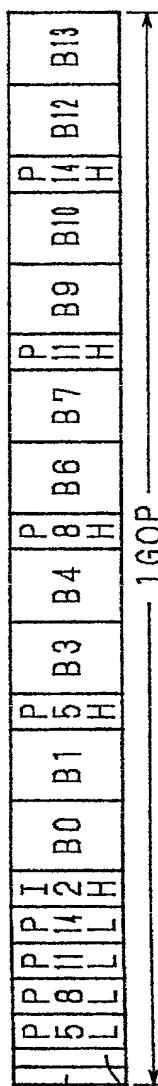


FIG. 59 D
PROGRAM
STREAM
FOR DISC
RECORDING

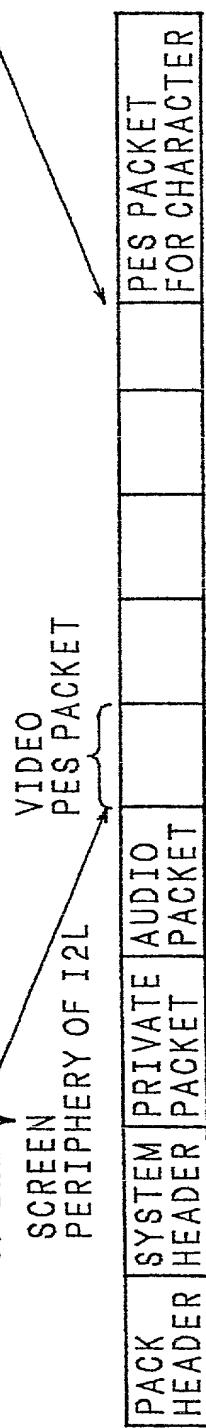


FIG. 60

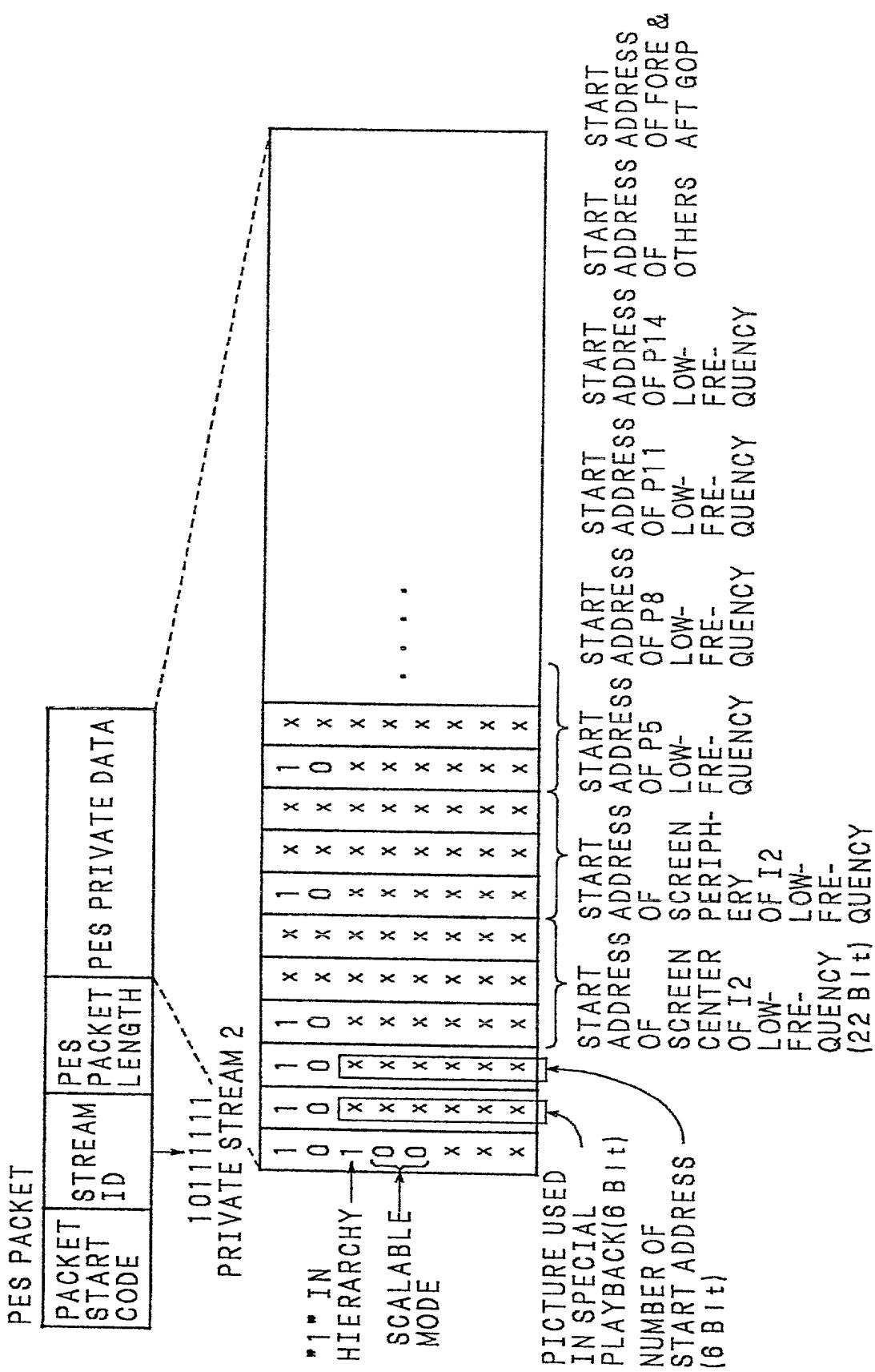


FIG. 61

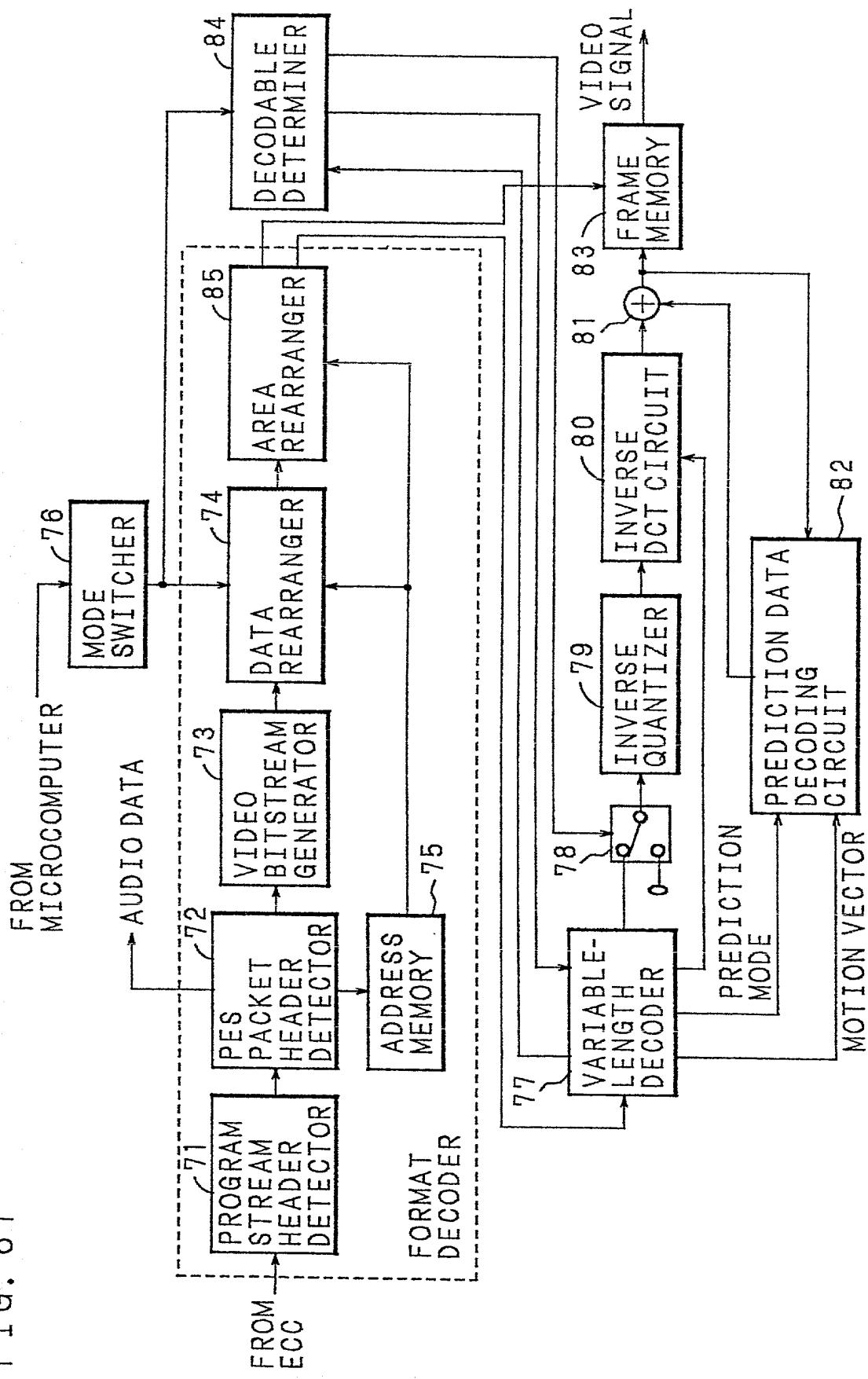


FIG. 62

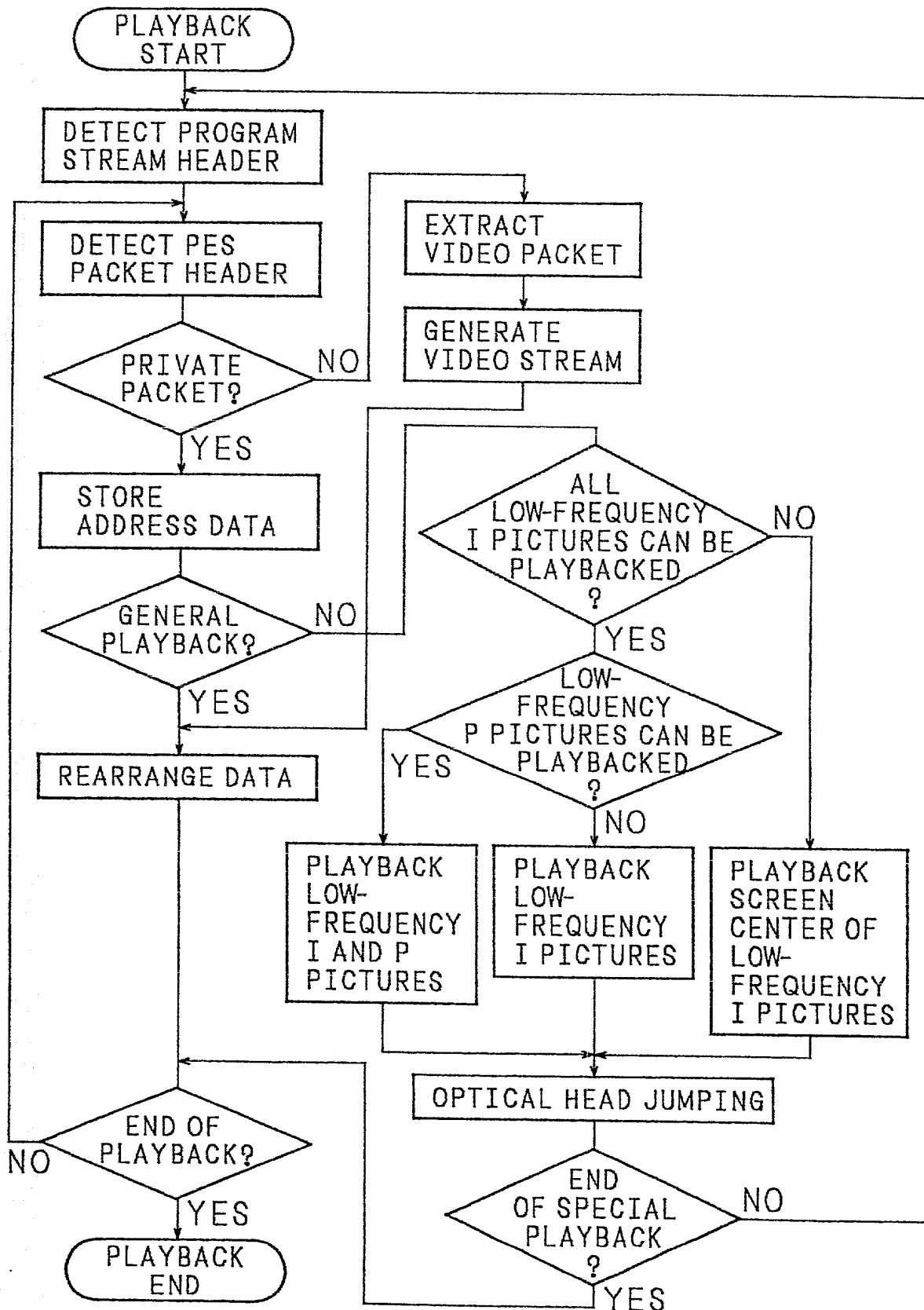


FIG. 63

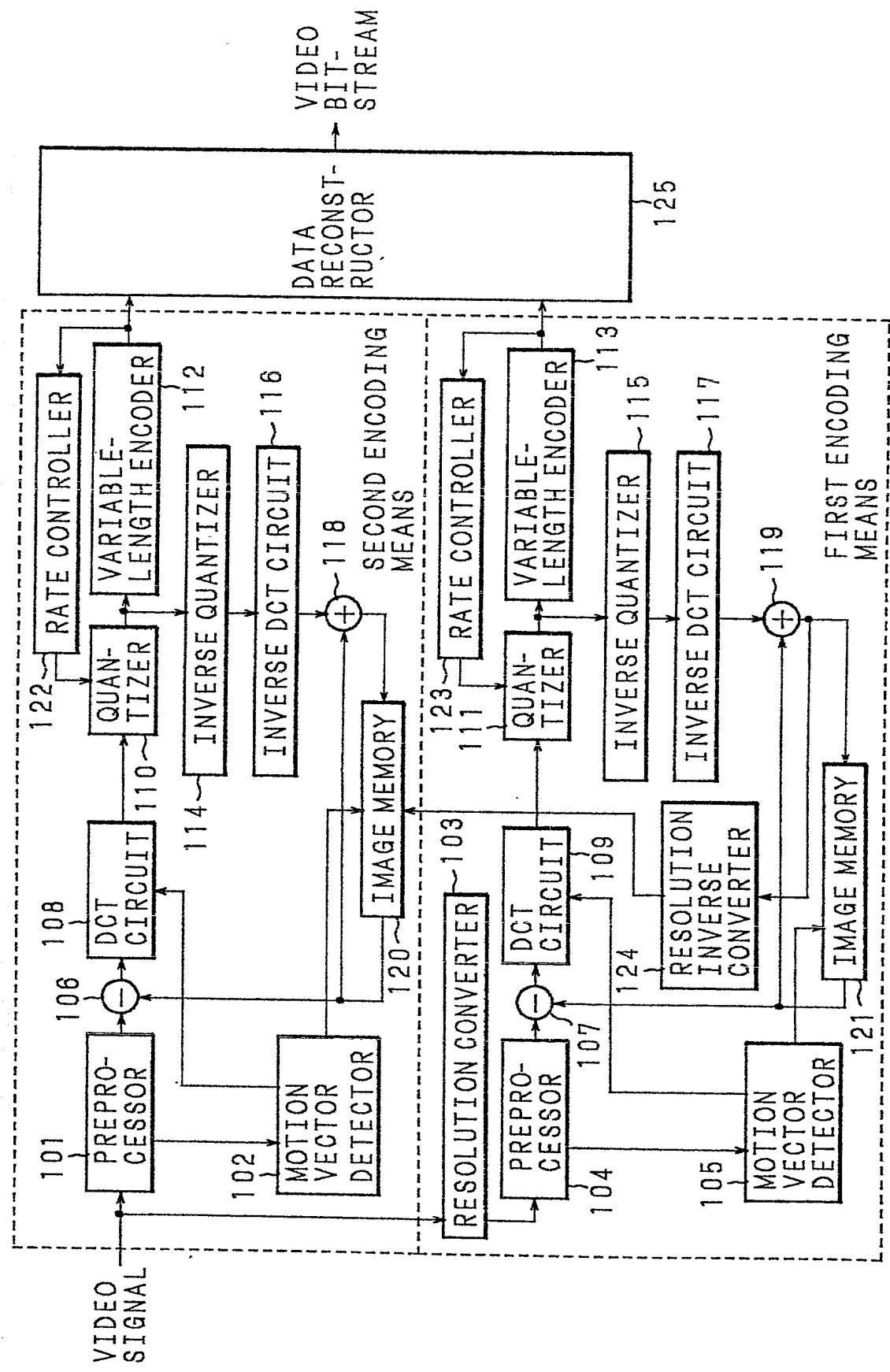


FIG. 64

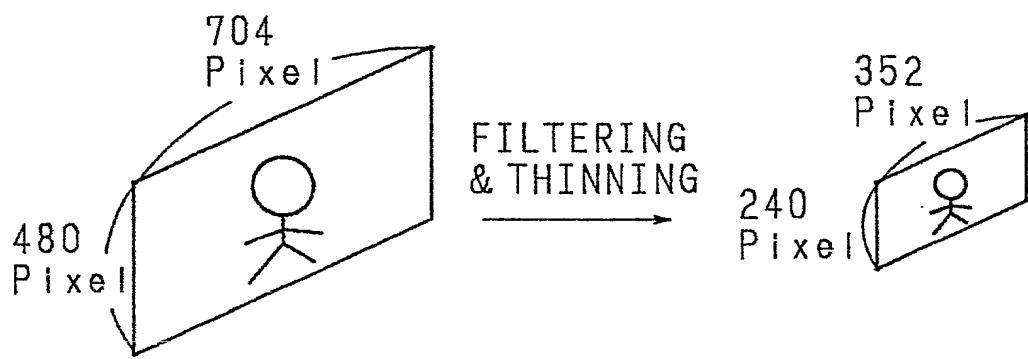


FIG. 65

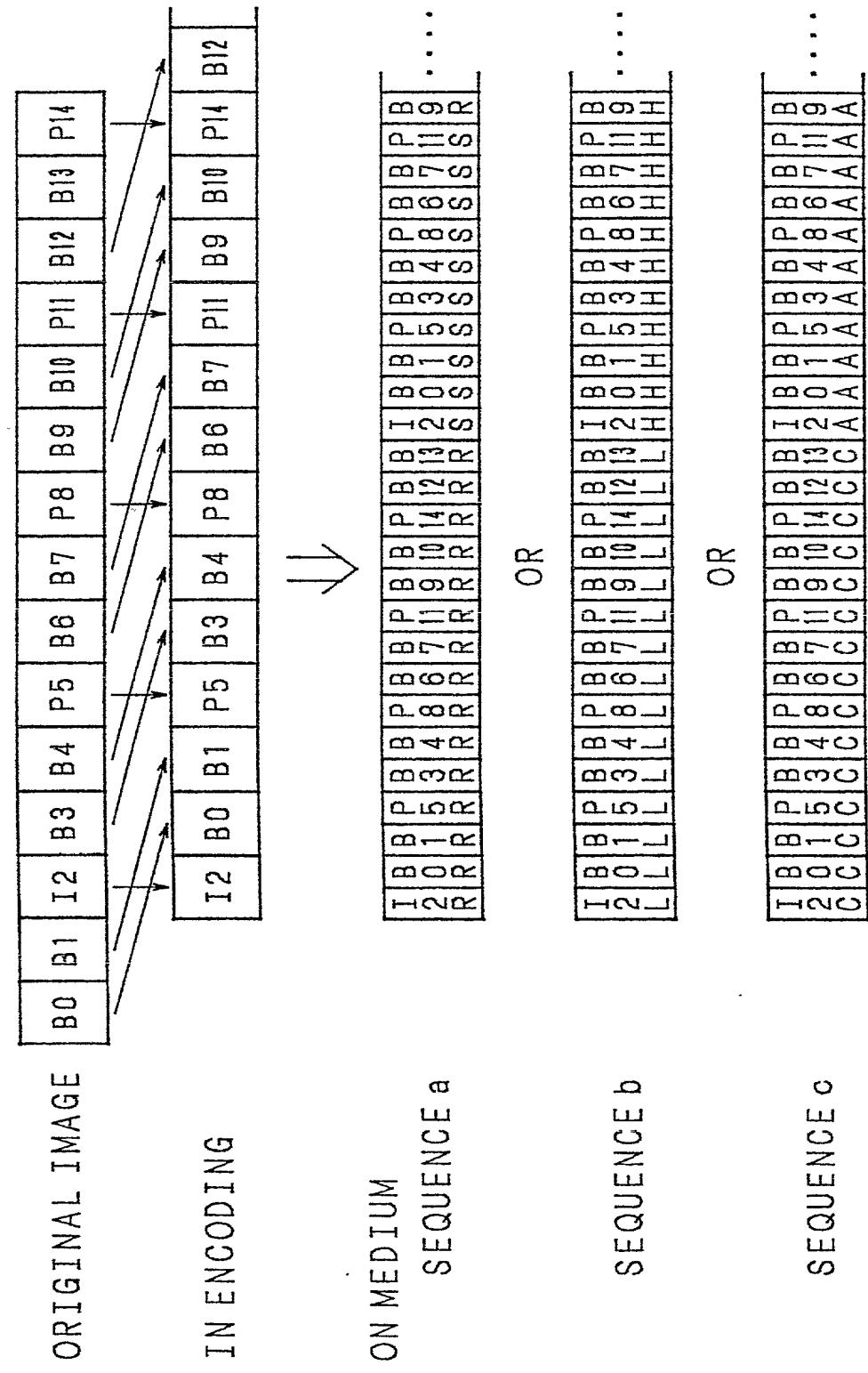


FIG. 66

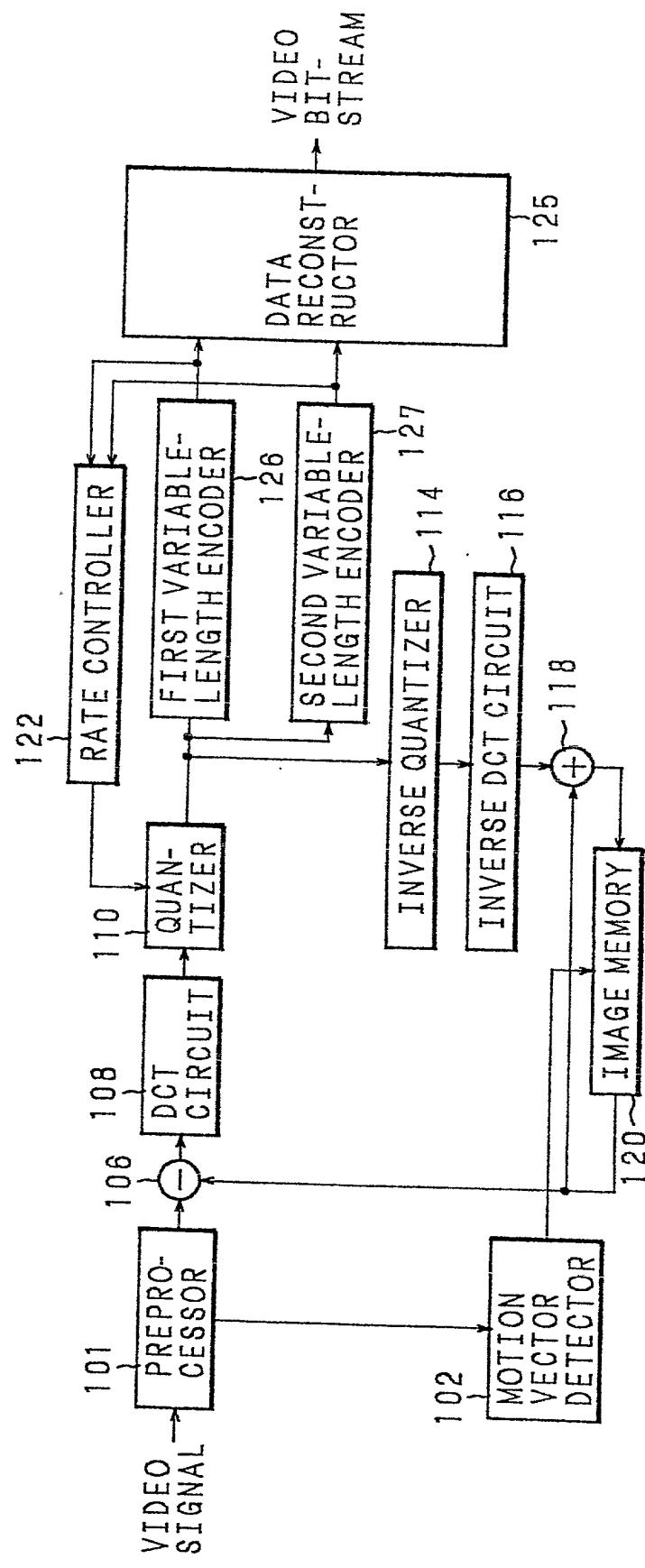


FIG. 67

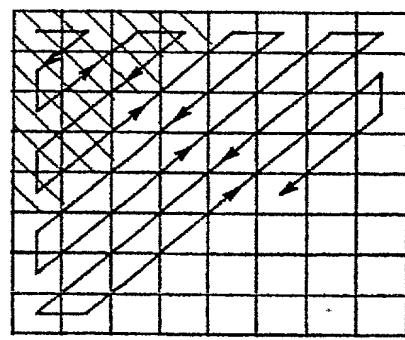


FIG. 68

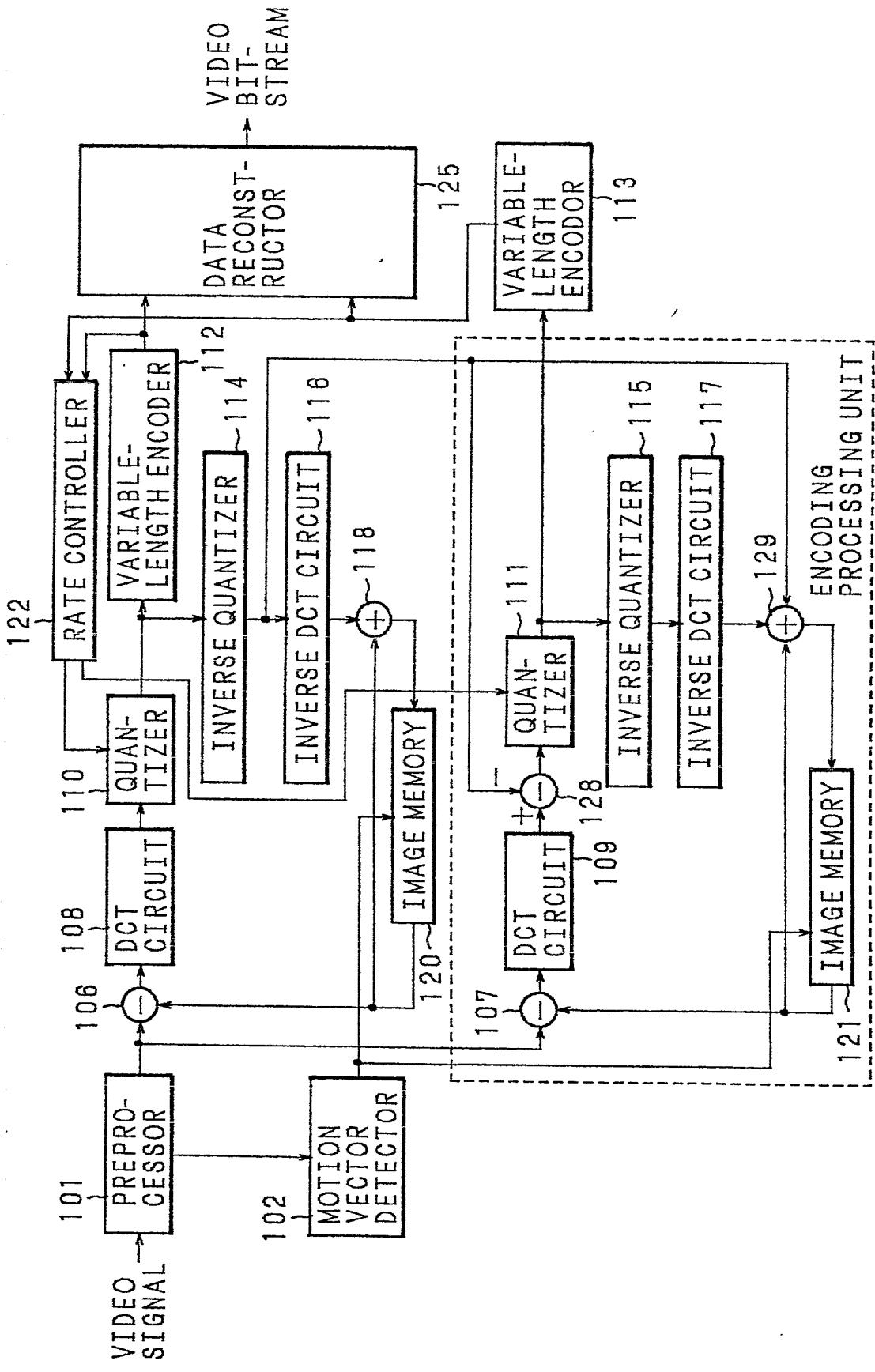


FIG. 69

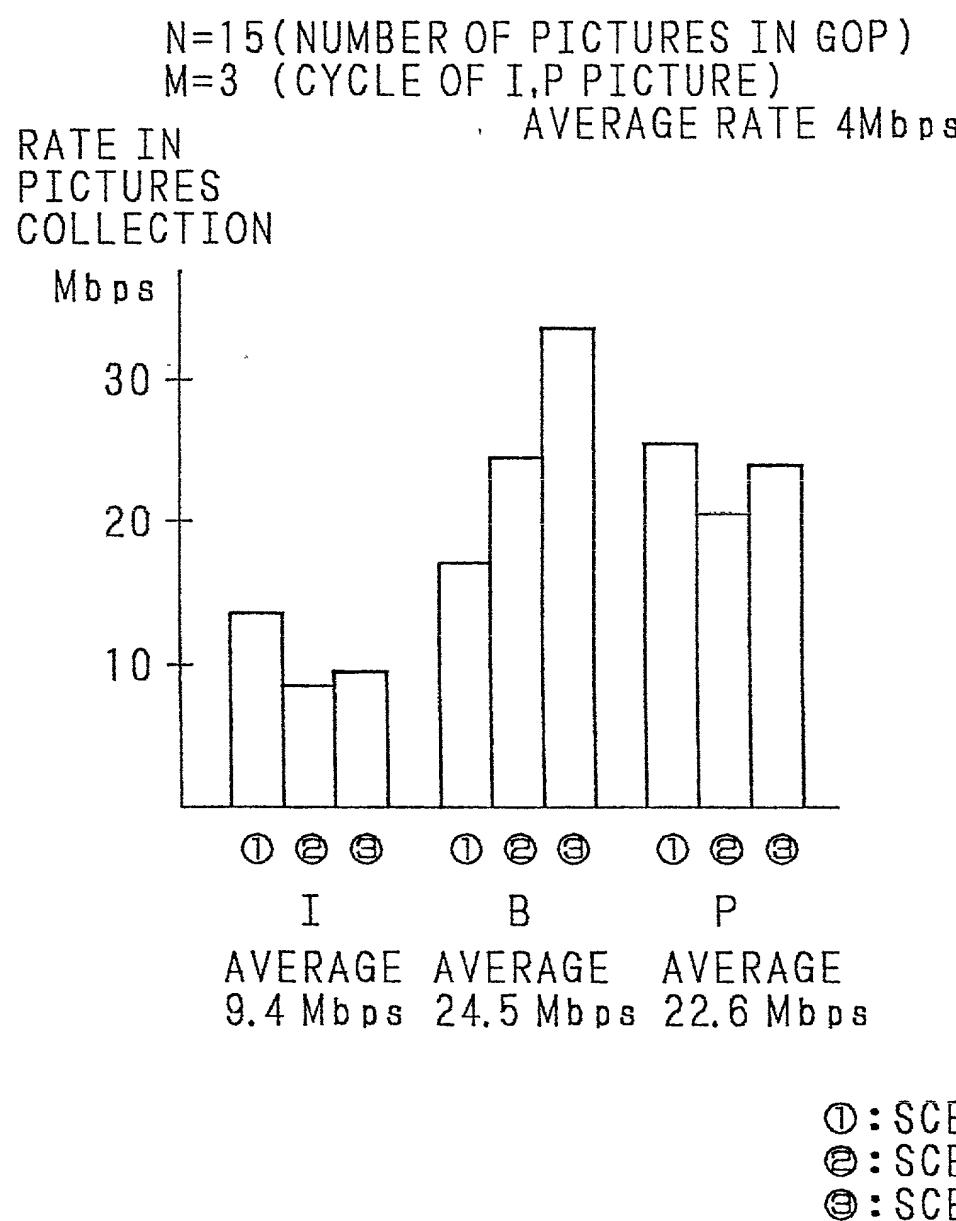


FIG. 70

ORIGINAL IMAGE	B0	B1	I2	B3	B4	P5	B6	B7	P8	B9	B10	P11	B12	B13	P14	B0
SEQUENCE a ENCODE DATA	I1	I2	B0	B1	P5	P5	B3	B4	P8	P8	B6	B7	P11	P11	P14	B12
AFTER DATA RECONSTRUCTION	R2	S2	R5	R5	S5	S5	R8	R8	S8	S8	R8	R8	S8	S8	R8	S8
	CORE AREA															
SEQUENCE b ENCODE DATA	I1	I2	B0	B1	P5	P5	B3	B4	P8	P8	B6	B7	P11	P11	P14	B12
AFTER DATA RECONSTRUCTION	L2	H2	L5	H5	LH	LH	H8	H8	LH	LH	H8	H8	LH	LH	LH	H8
	CORE AREA															
SEQUENCE c ENCODE DATA	I1	I2	B0	B1	P5	P5	B3	B4	P8	P8	B6	B7	P11	P11	P14	B12
AFTER DATA RECONSTRUCTION	C2	C2	C5	C5	CA	CA	CA	CA	CA	CA						
	CORE AREA															

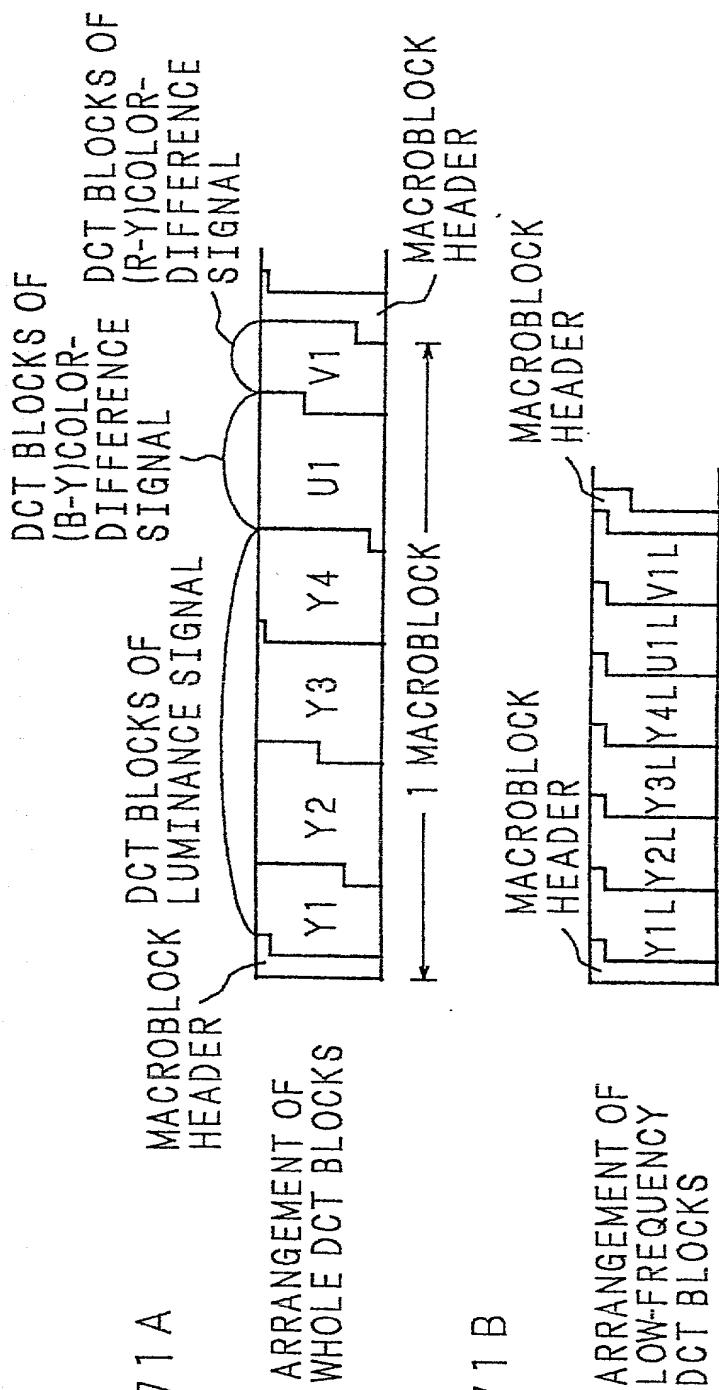


FIG. 71 B

ARRANGEMENT OF LOW-FREQUENCY DCT BLOCKS

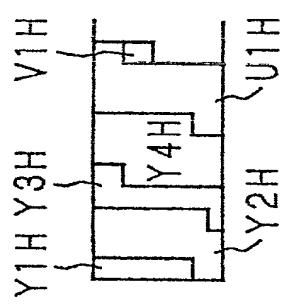


FIG. 71D

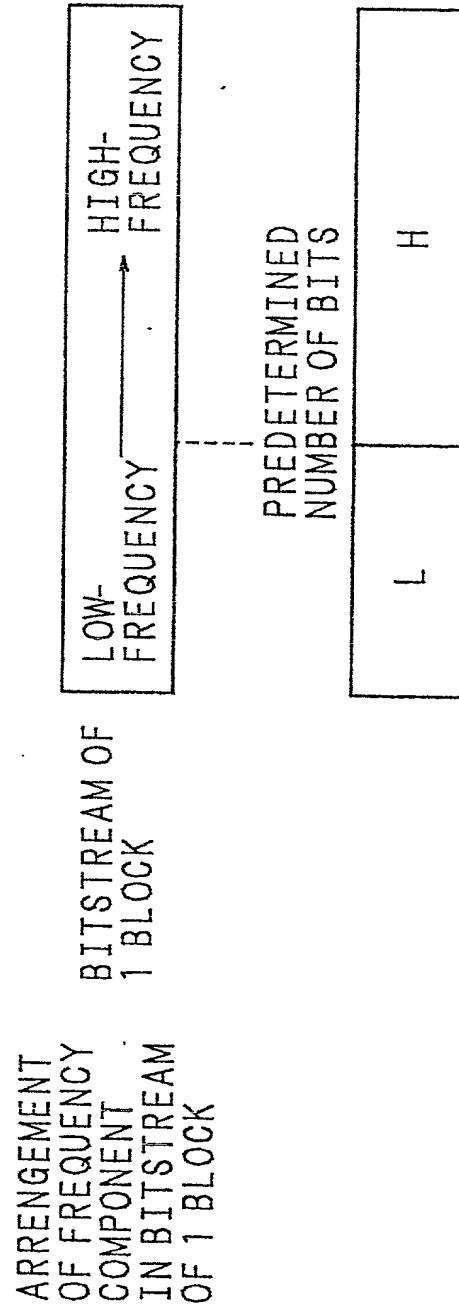


FIG. 72A

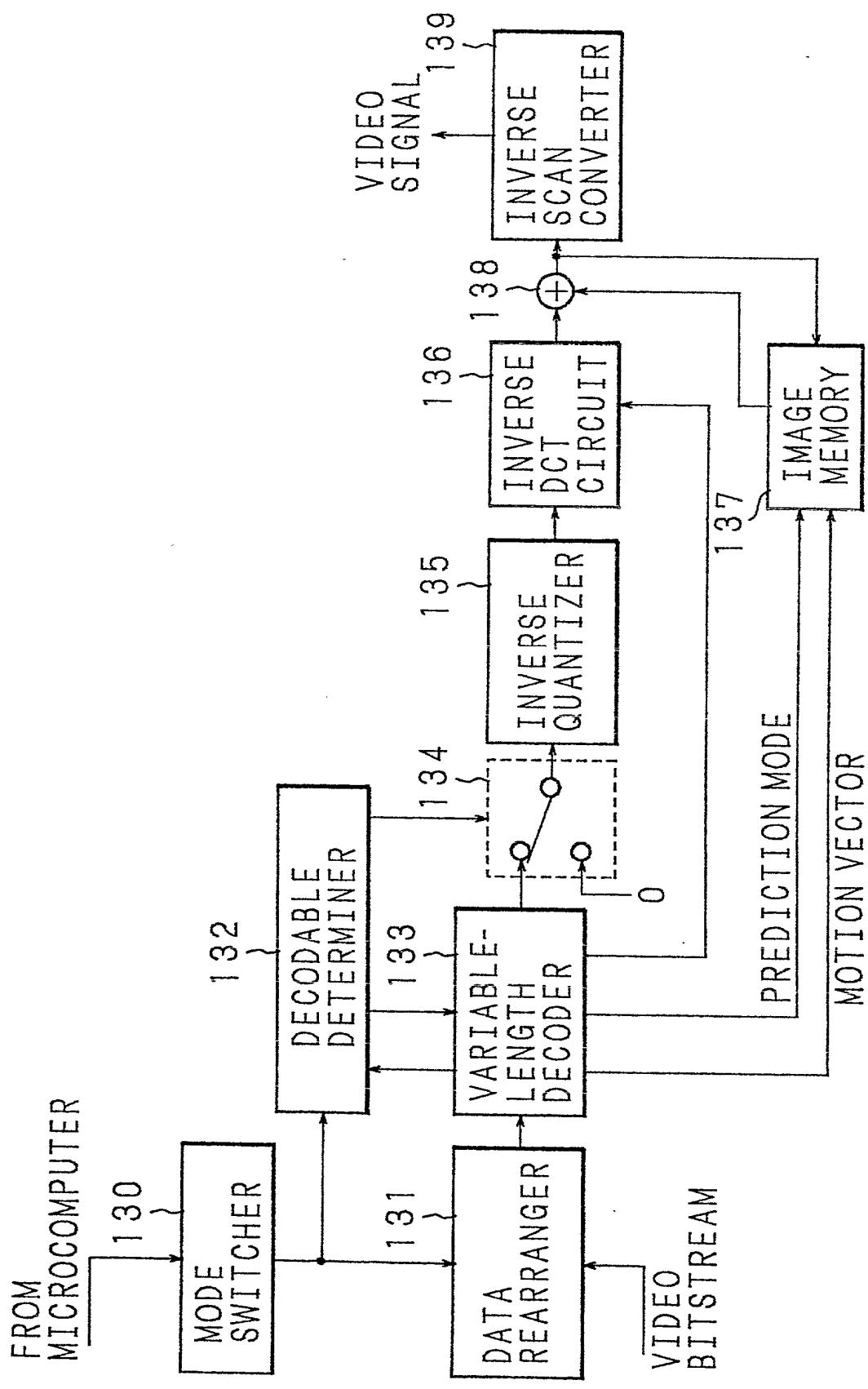


FIG. 72B

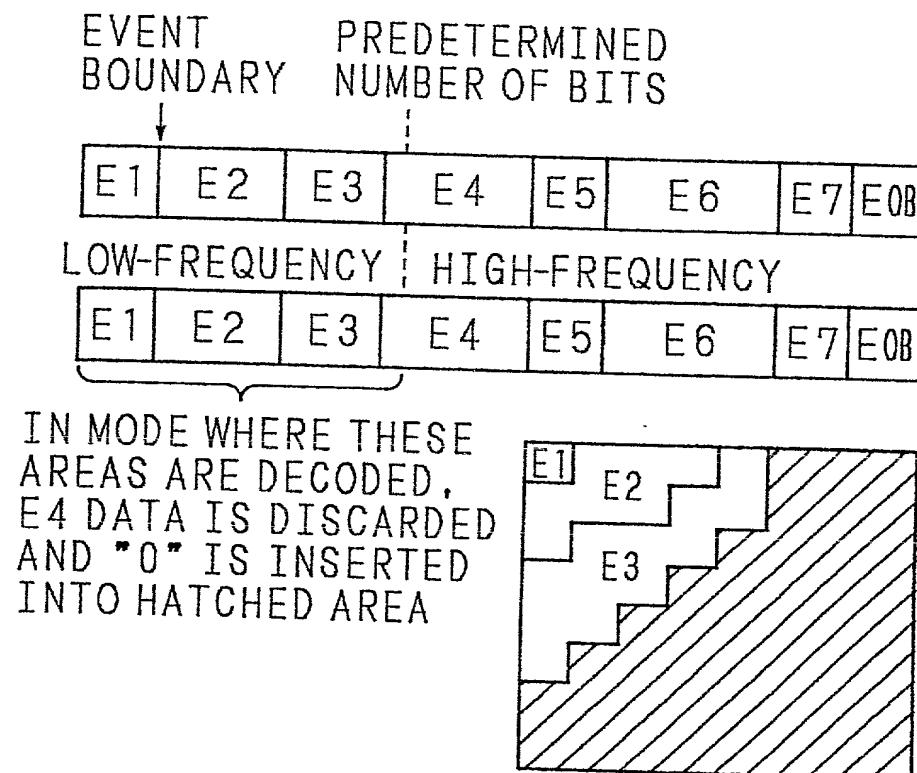


FIG. 73 A

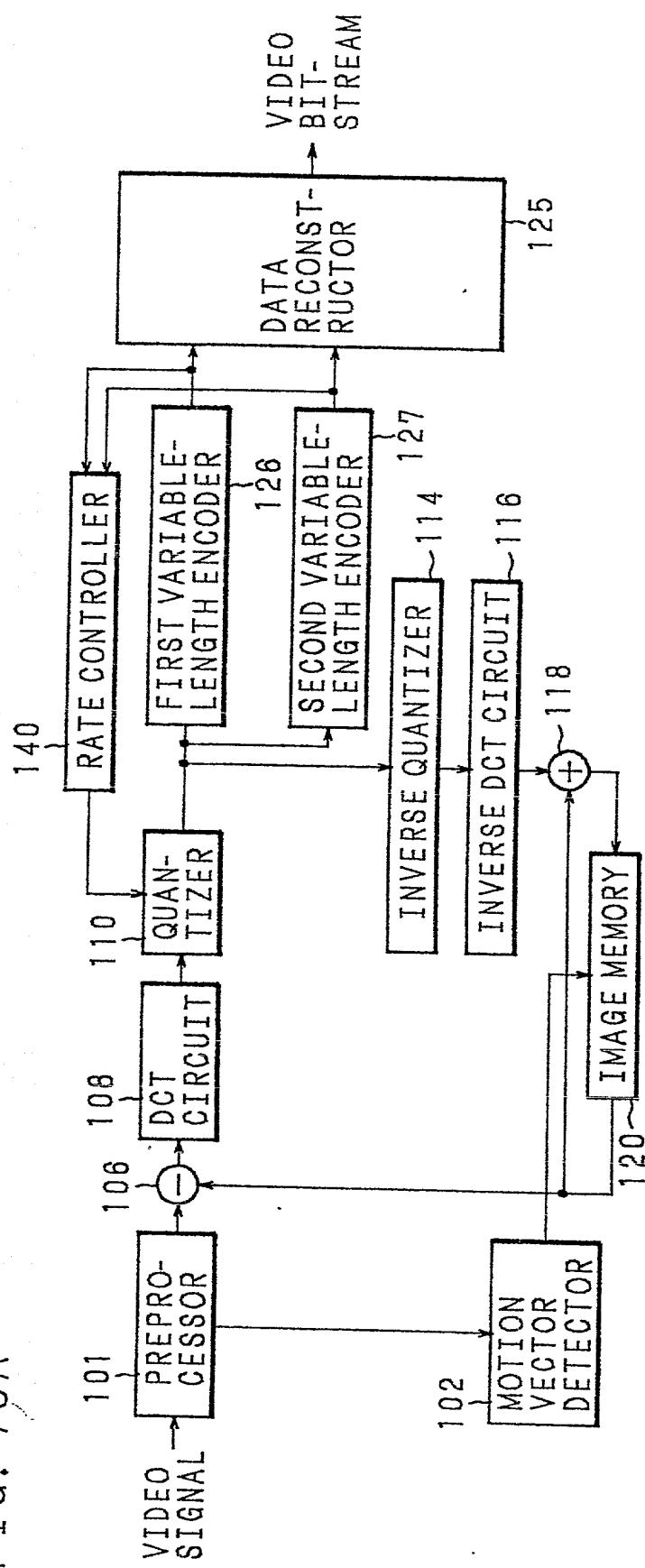


FIG. 73 B

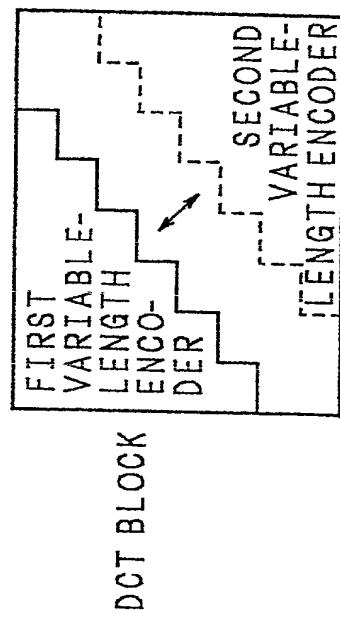


FIG. 74

FROM
MICROCOMPUTER

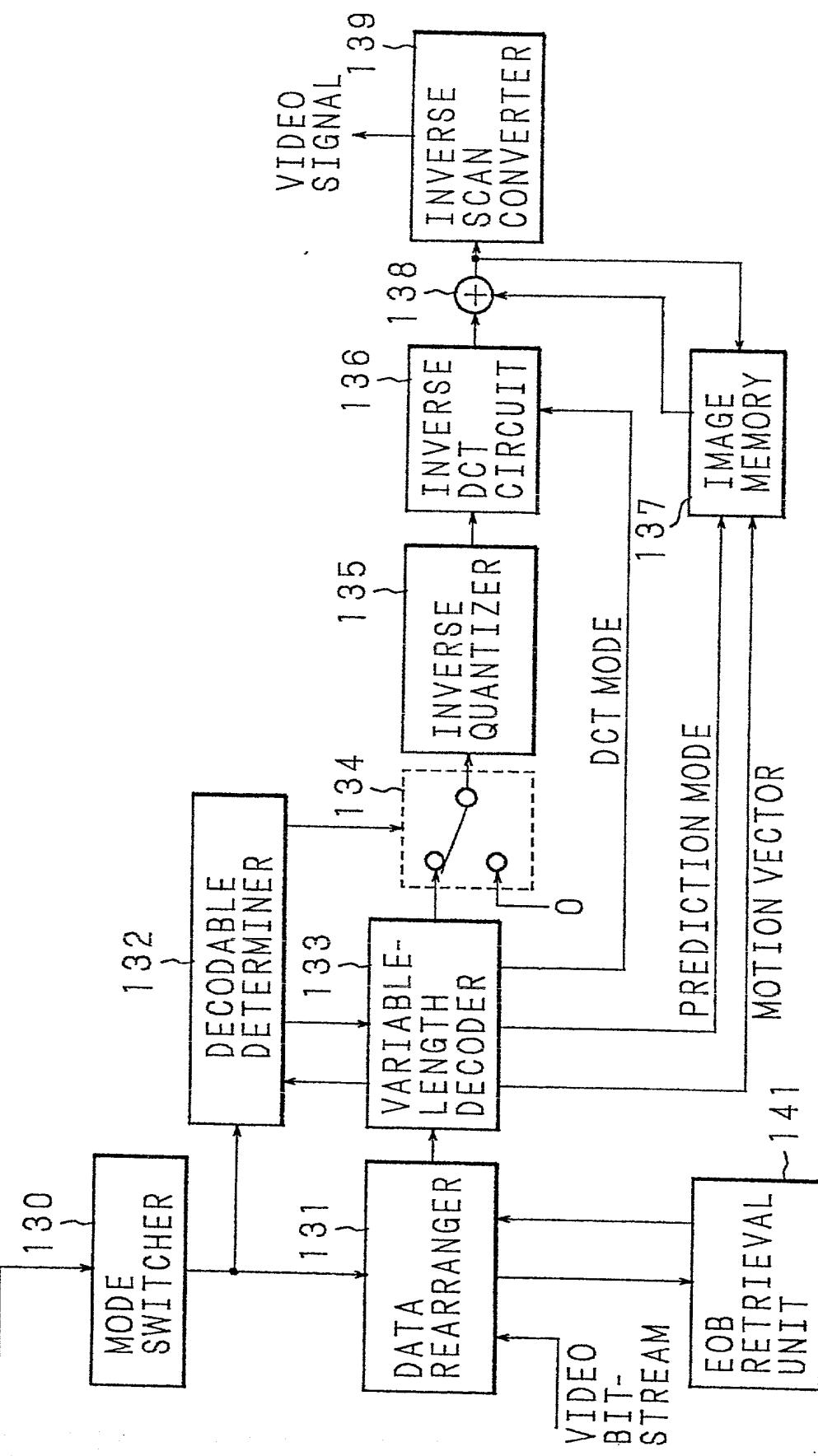


FIG. 75

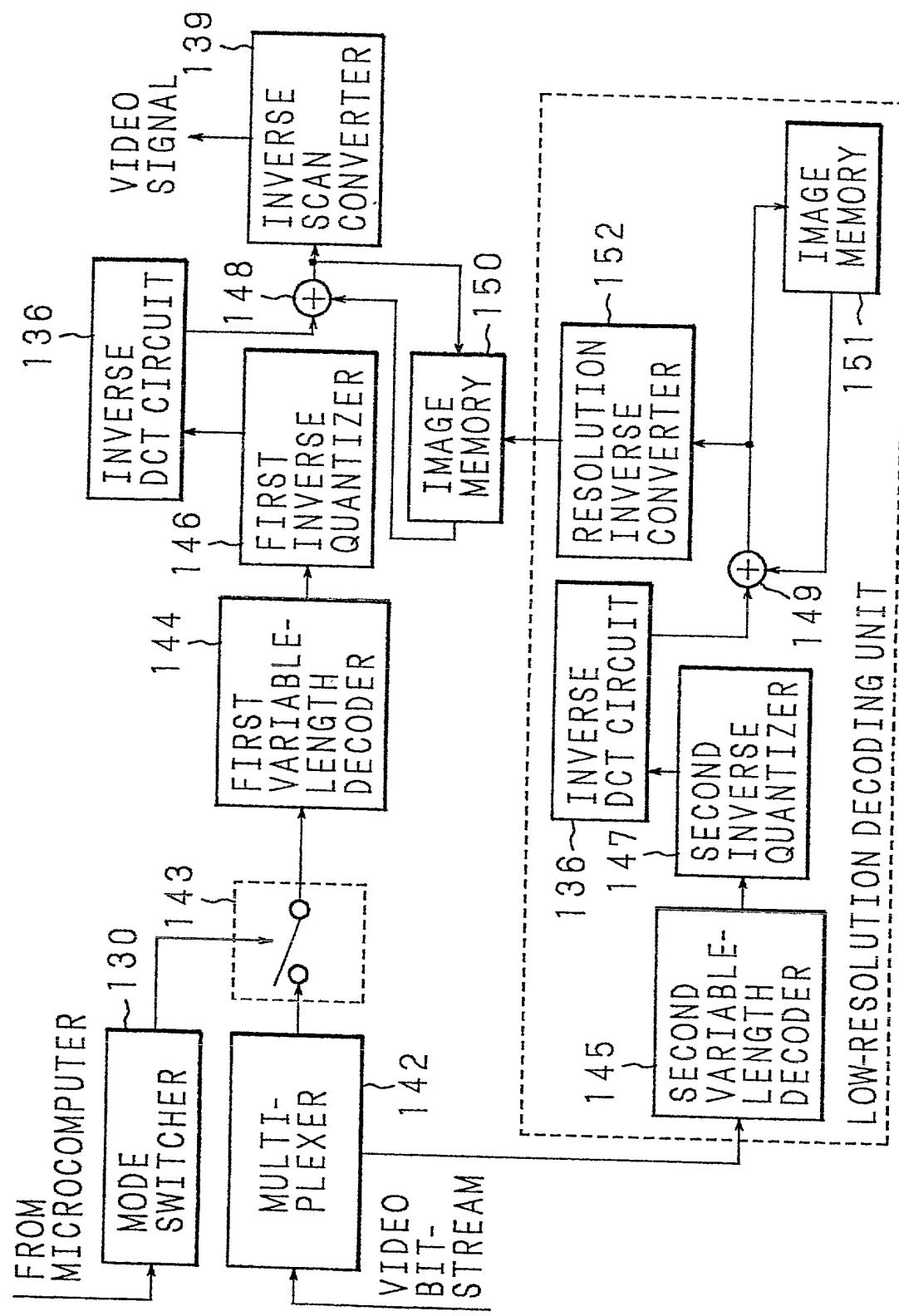


FIG. 76

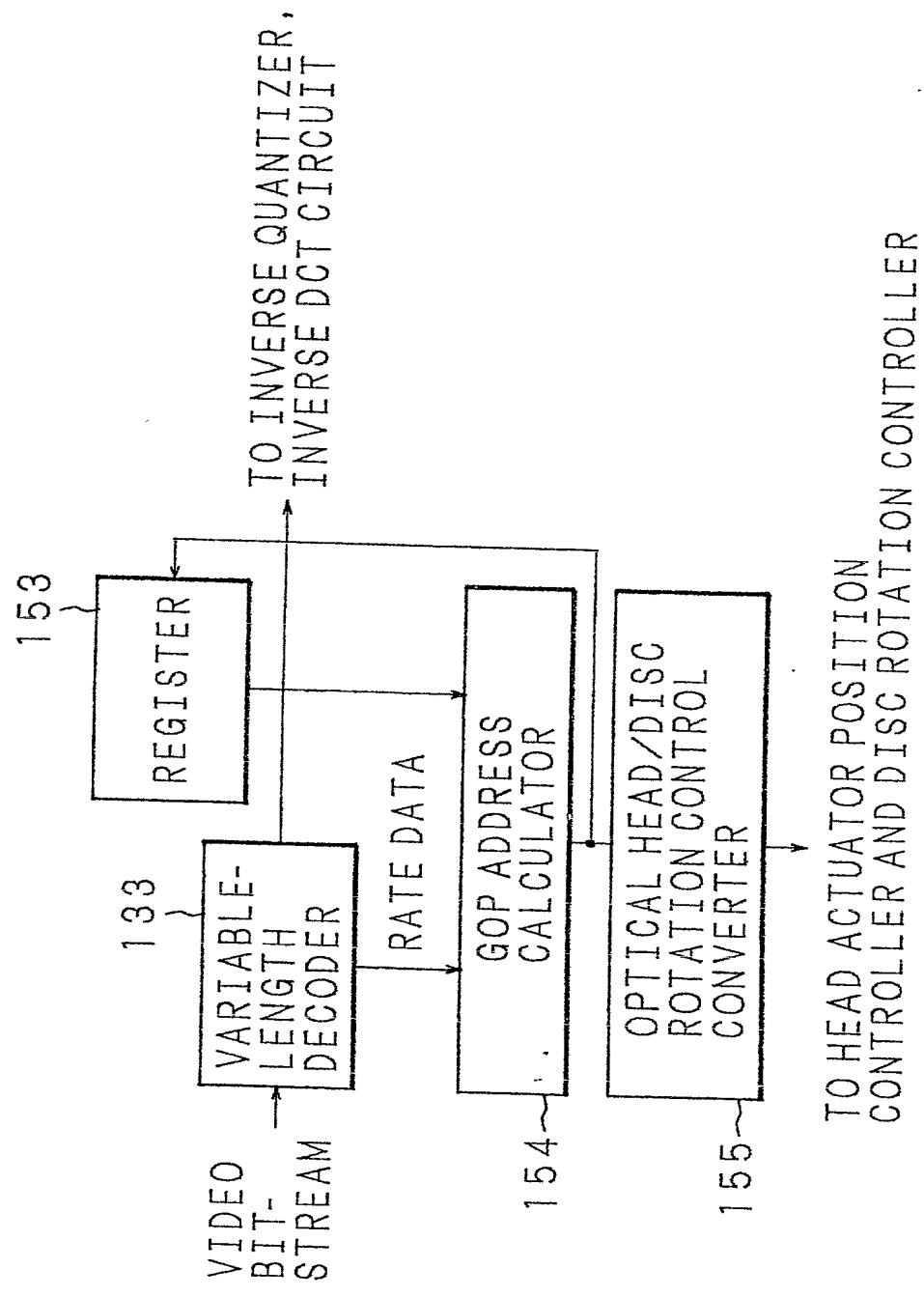


FIG. 77

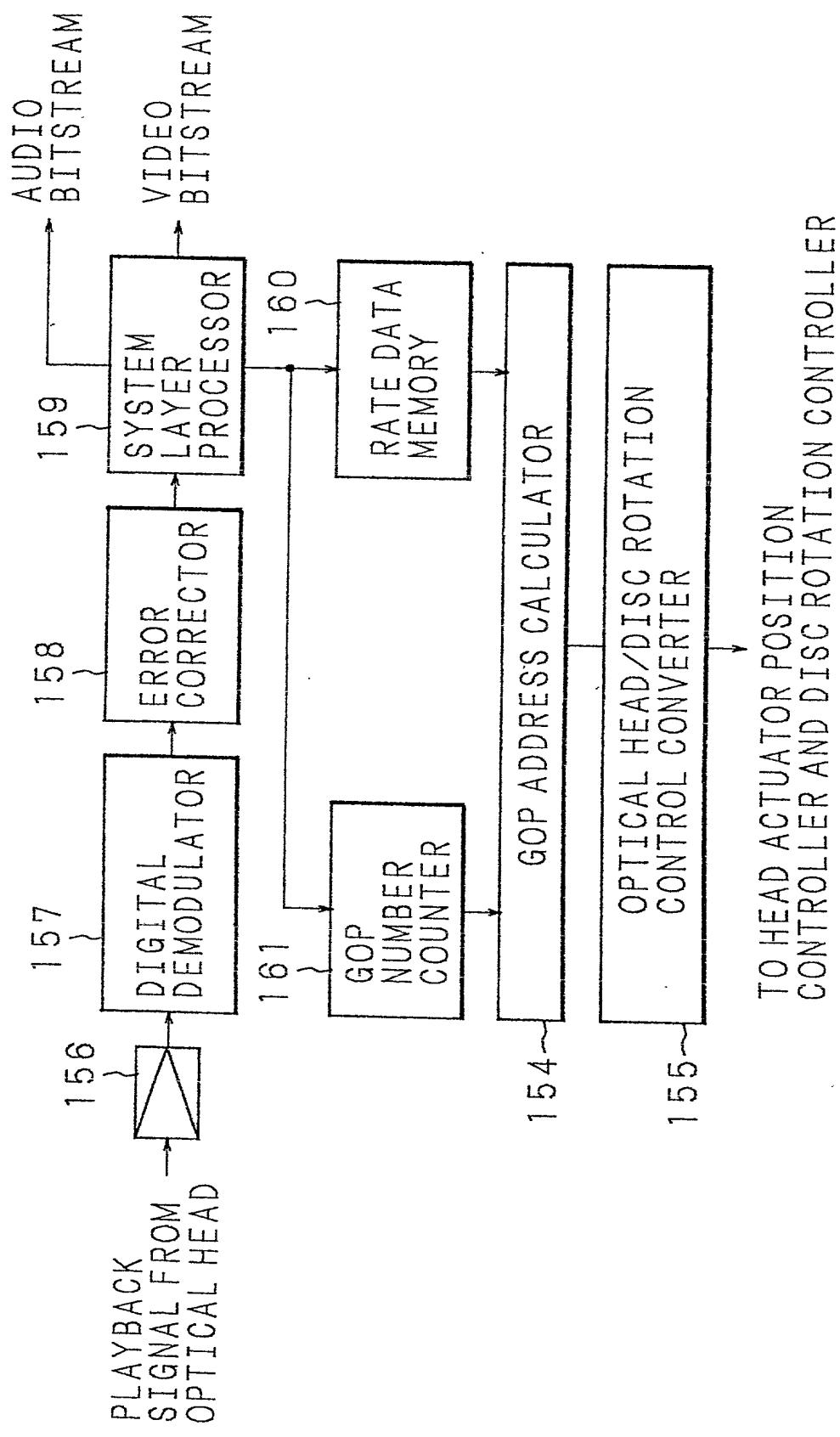


FIG. 78

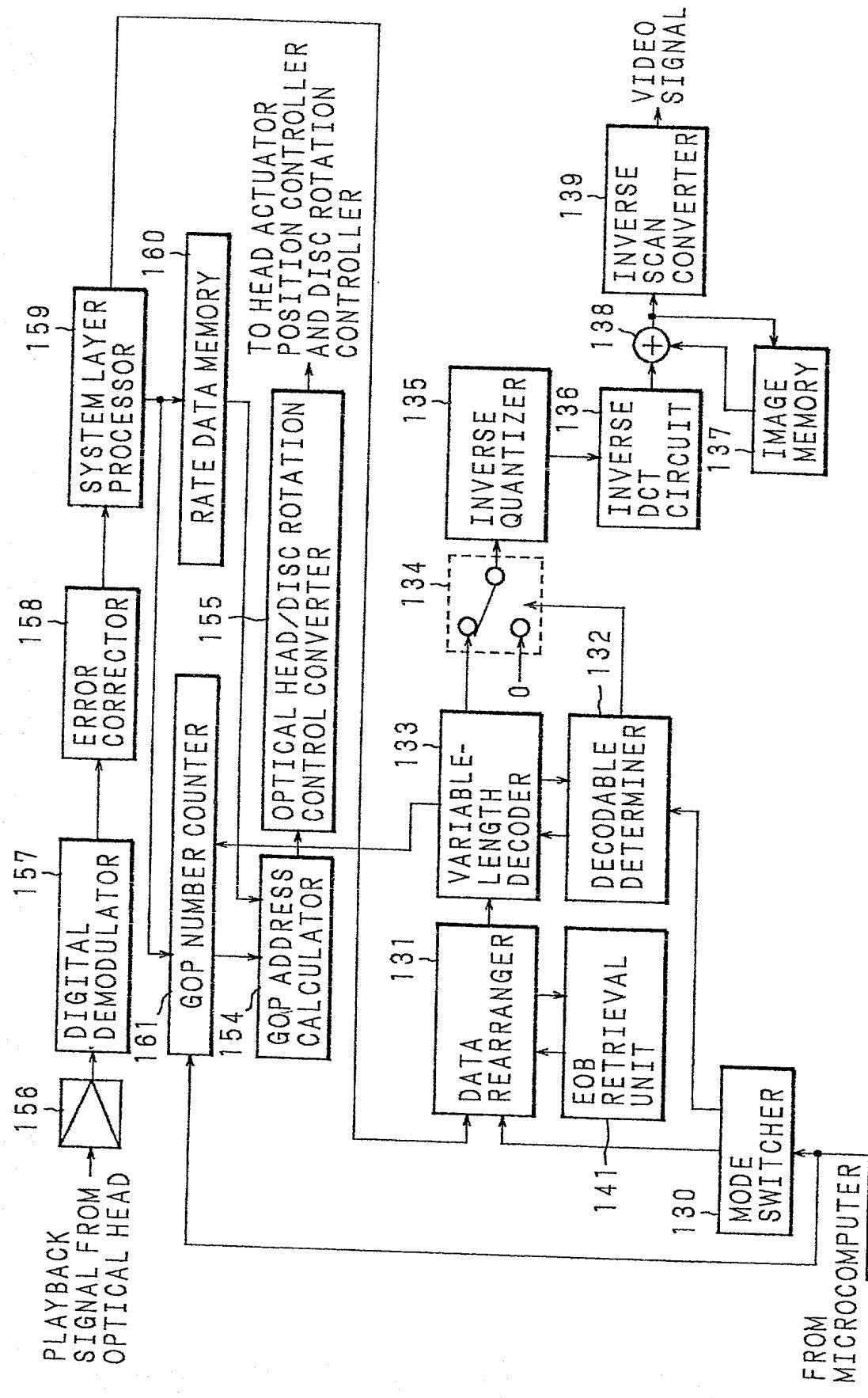


FIG. 79

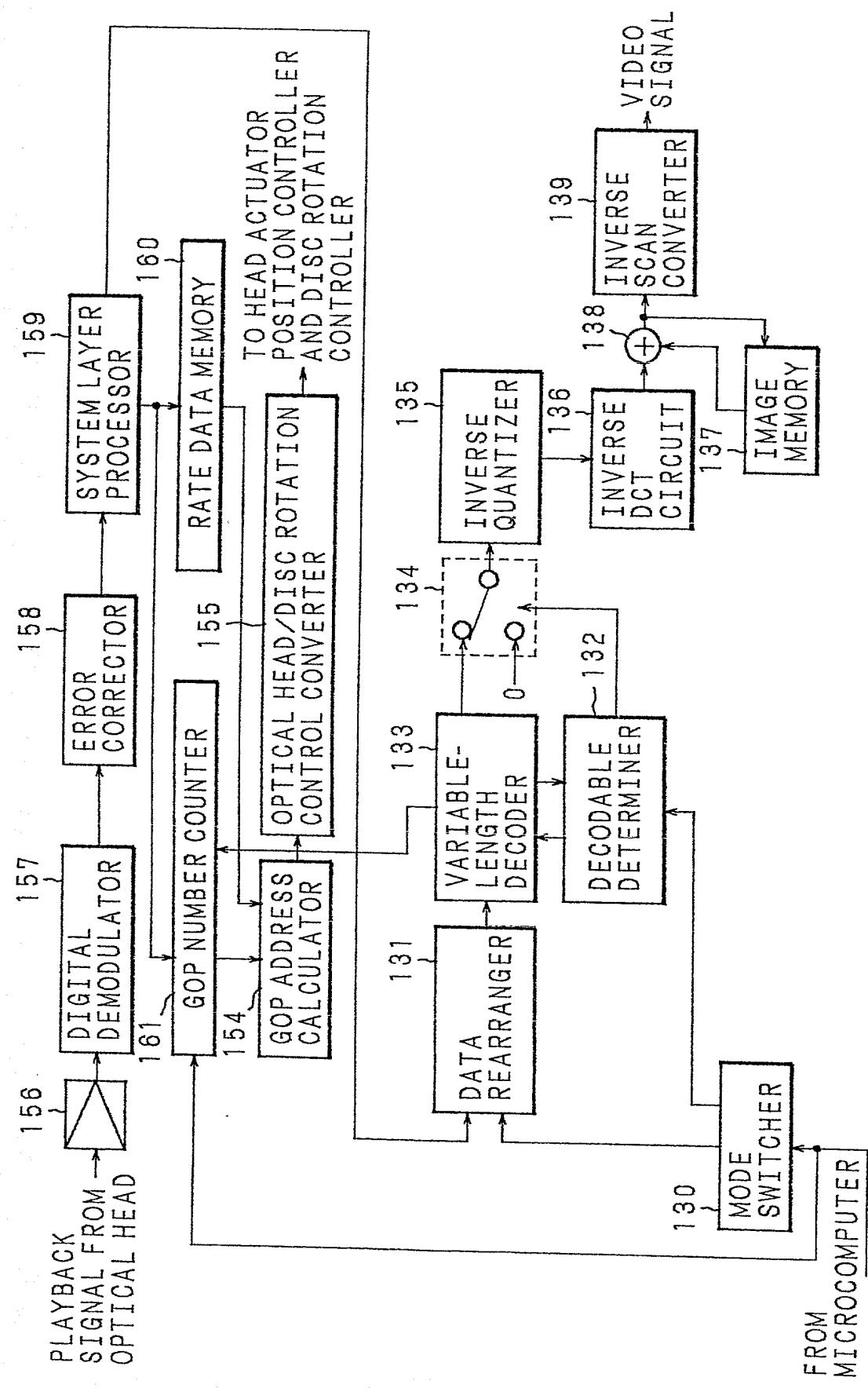


FIG. 80

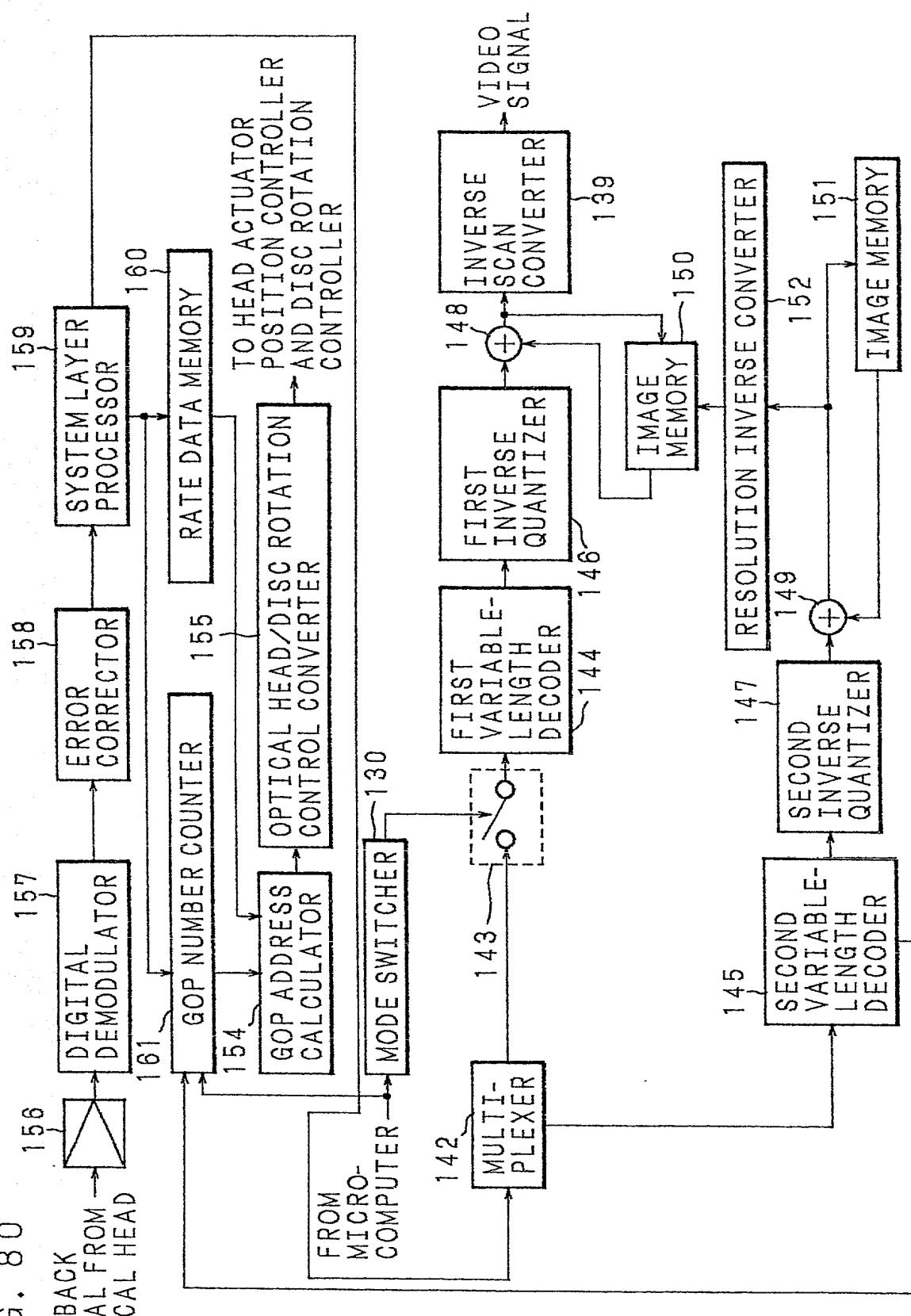


FIG. 81

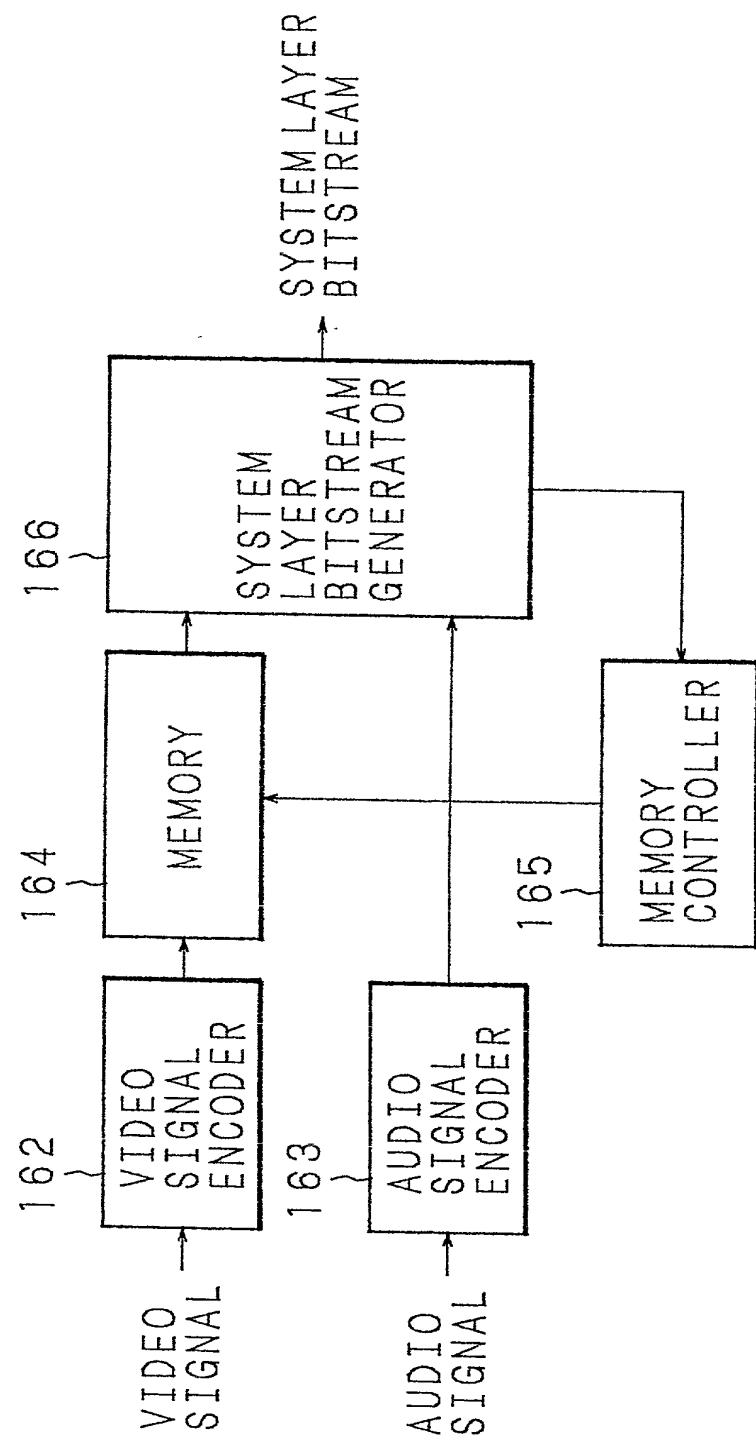


FIG. 82

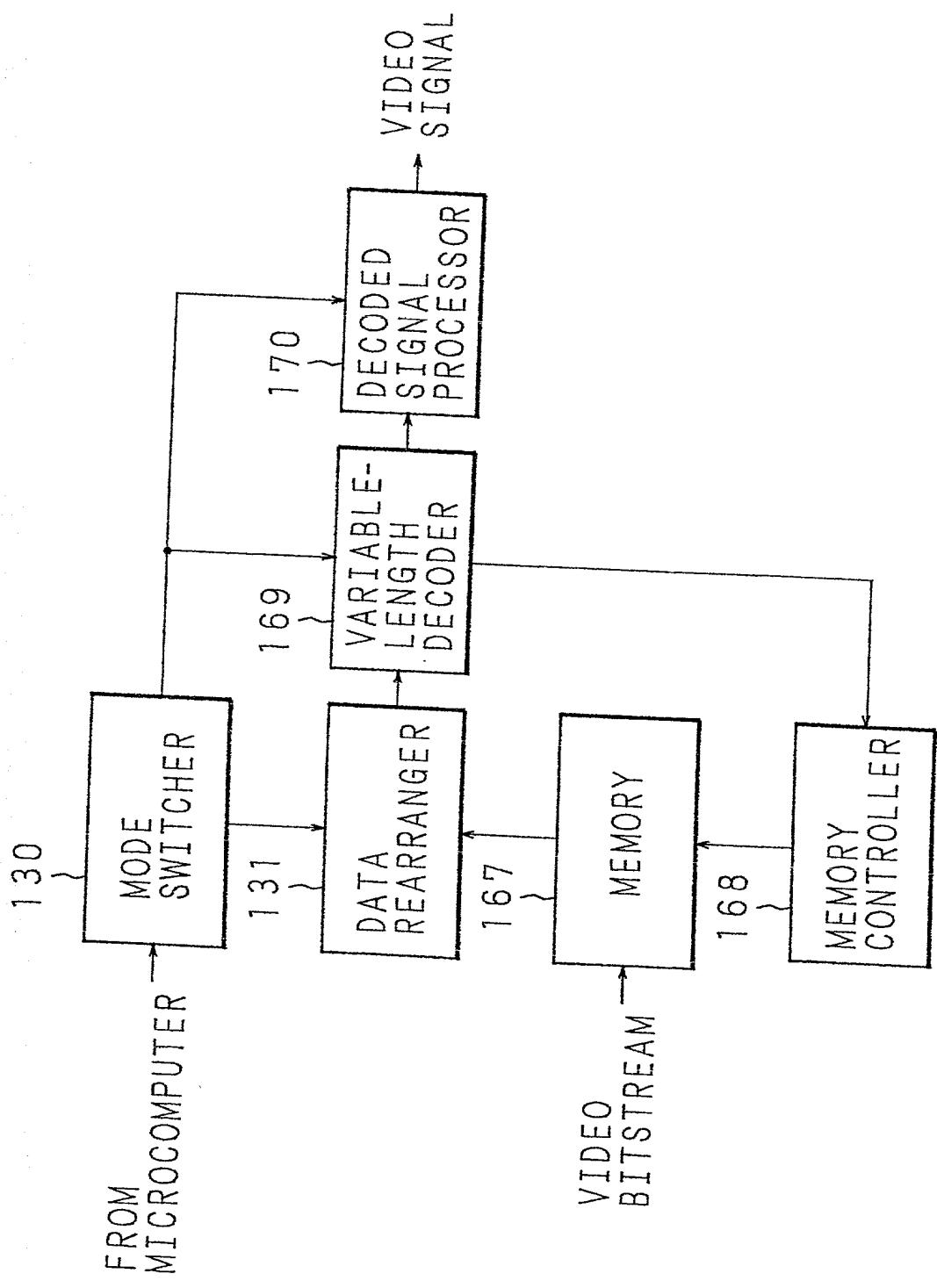


FIG. 83A

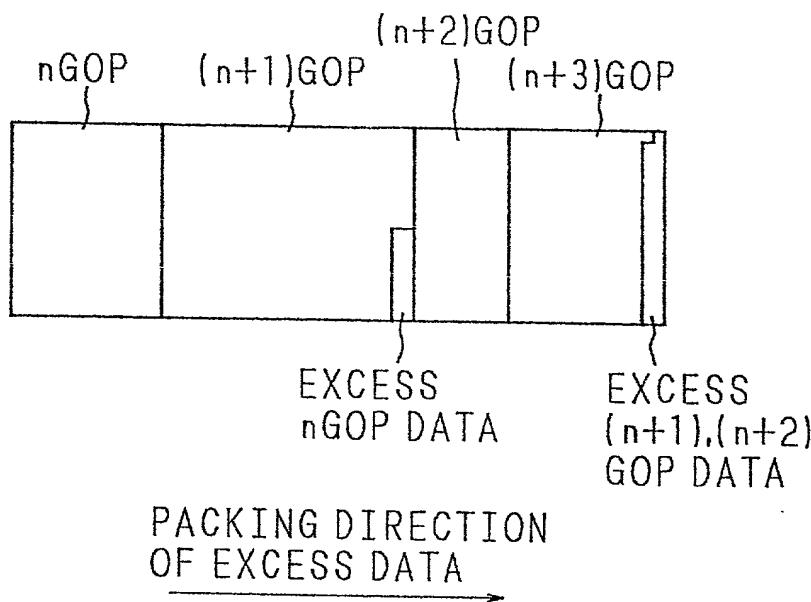


FIG. 83B

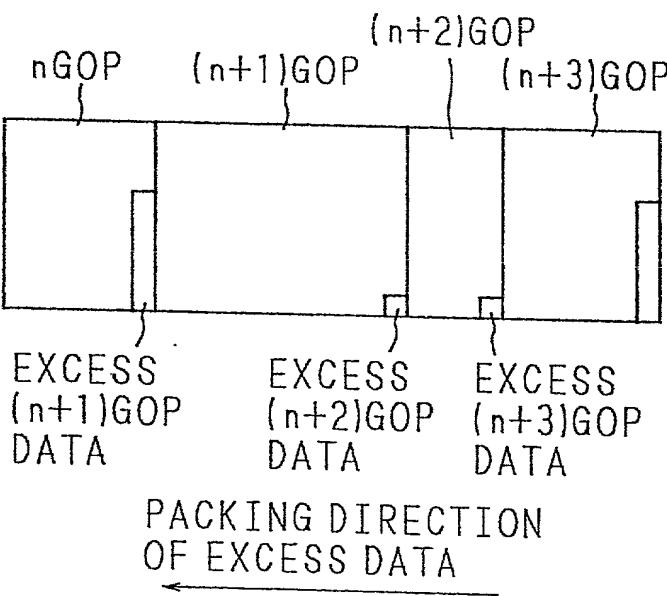
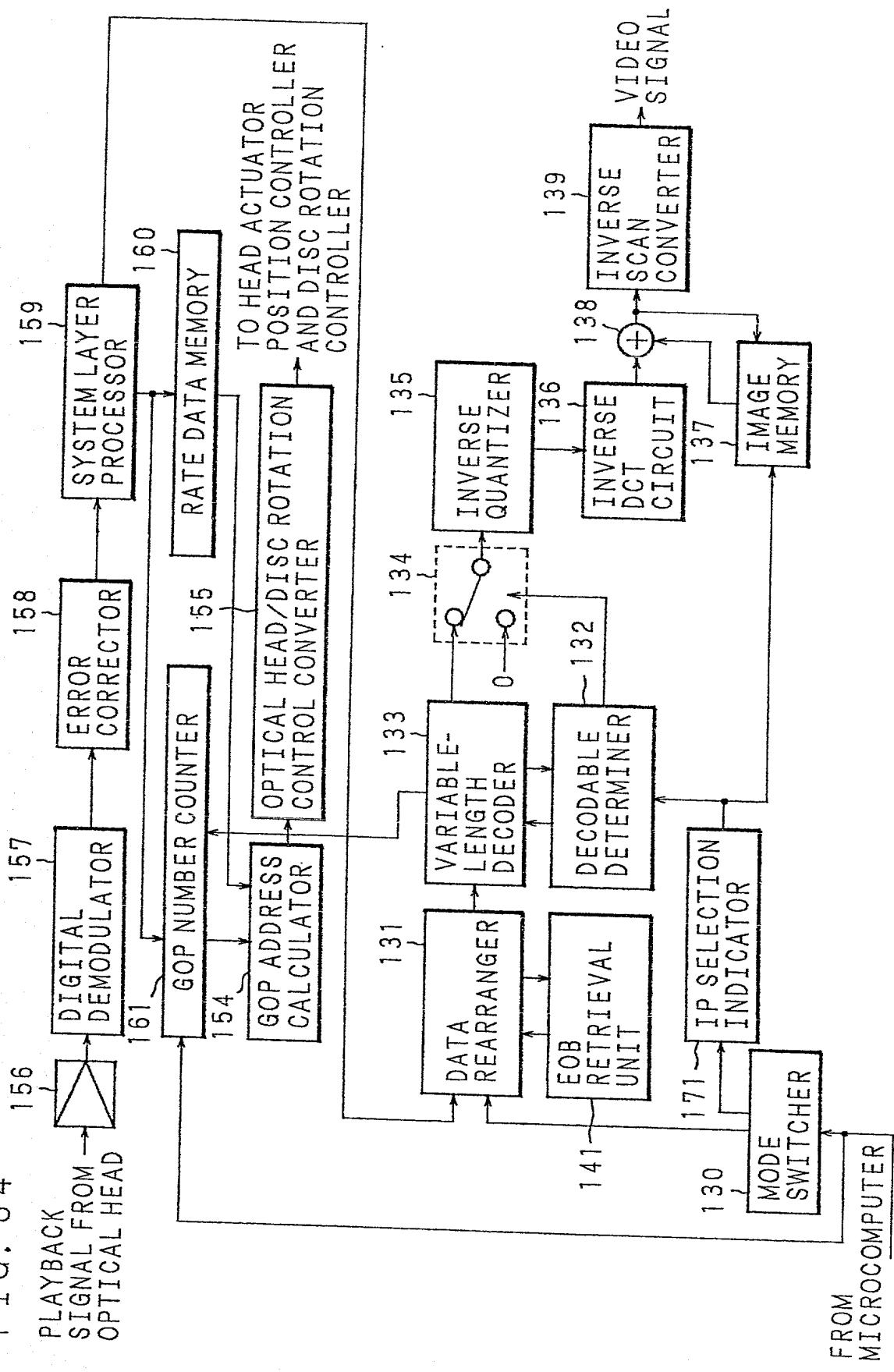


FIG. 84

PLAYBACK
SIGNAL FRO
OPTICAL HE



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**PLAYBACK
SIGNAL FROM
OPTICAL HEAD**

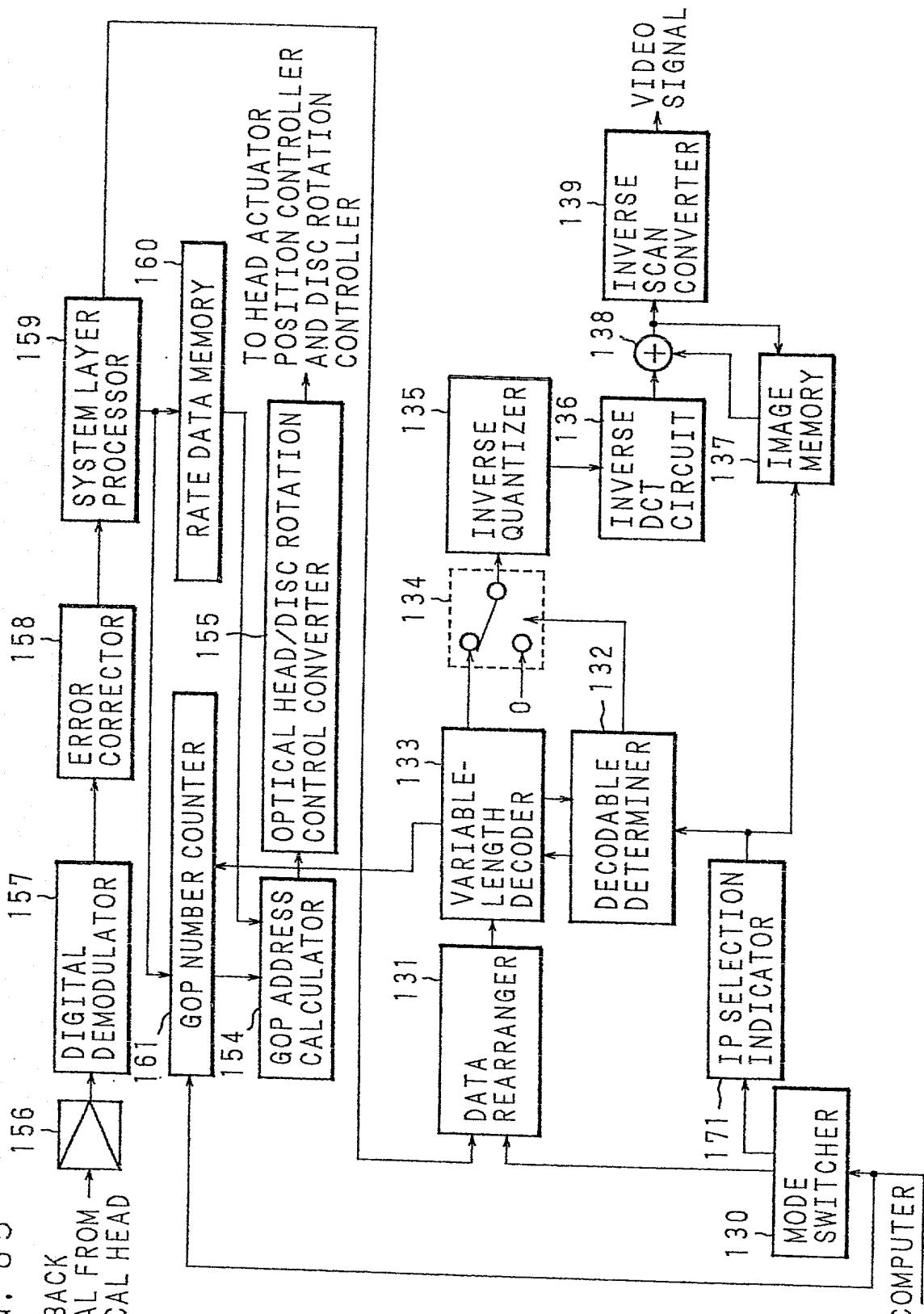


FIG. 86

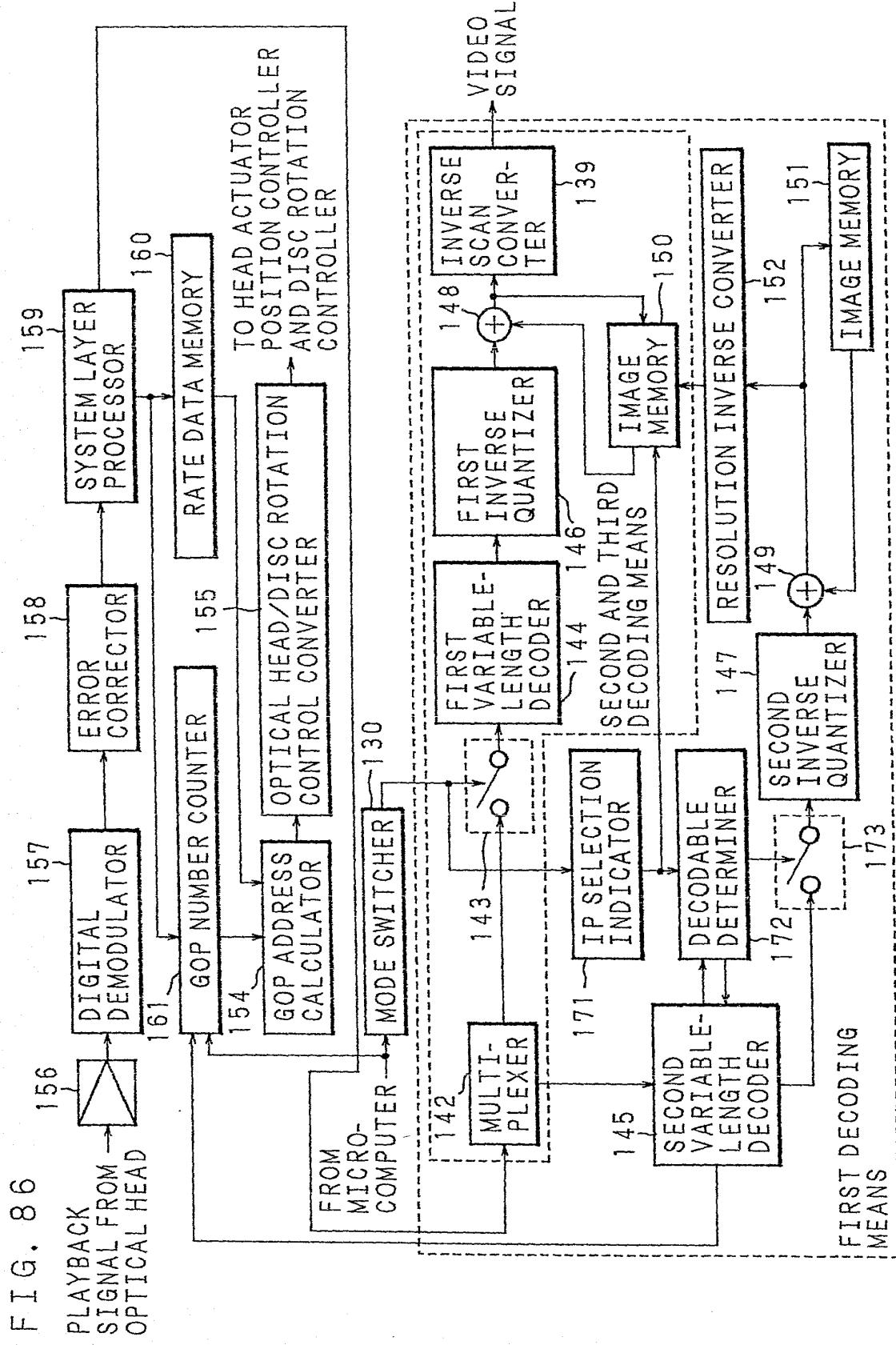
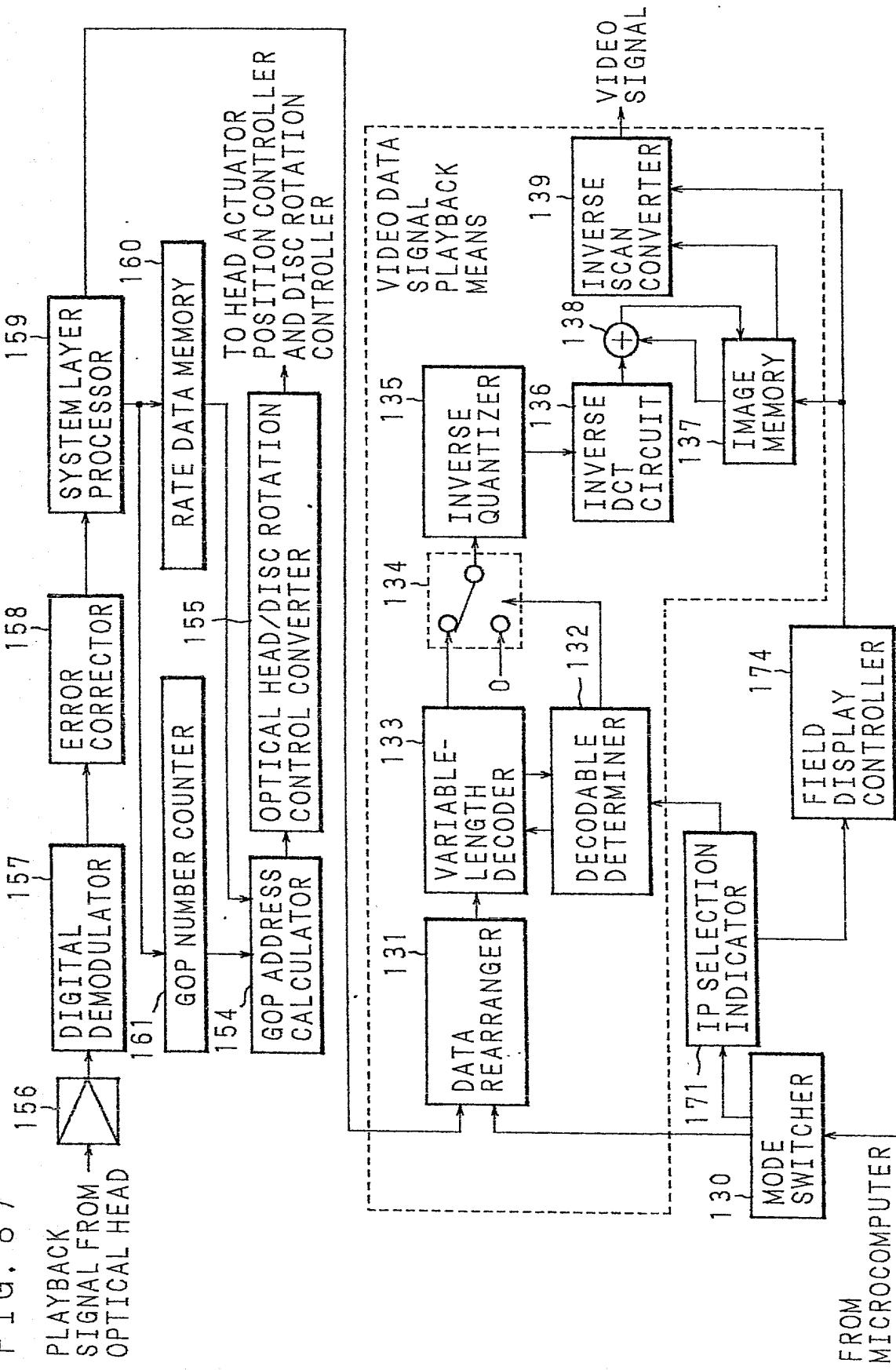


FIG. 87



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PLAYBACK SIGNAL FROM OPTICAL HEAD

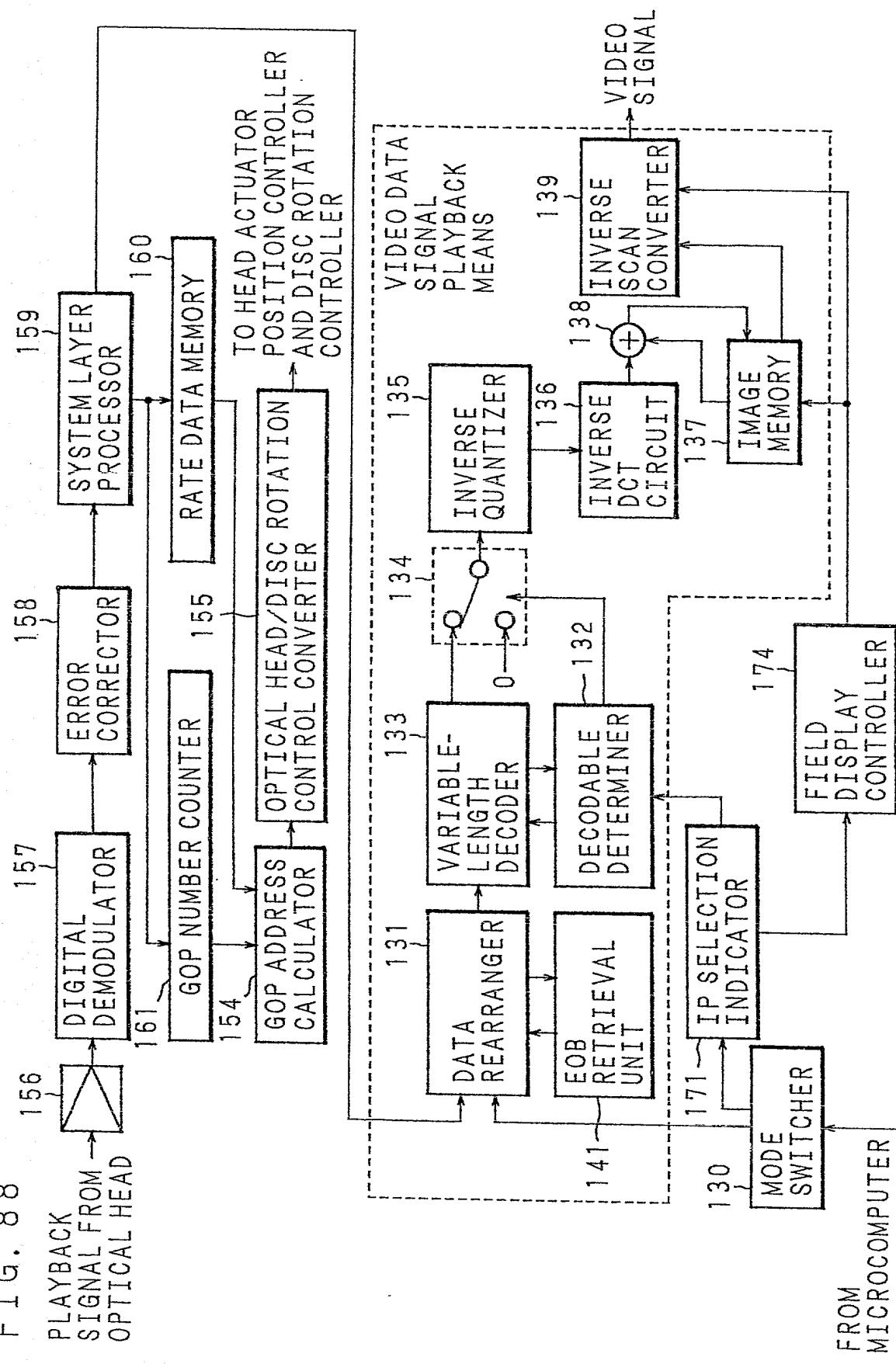


FIG. 89A

TIME DIRECTION IN IMAGE

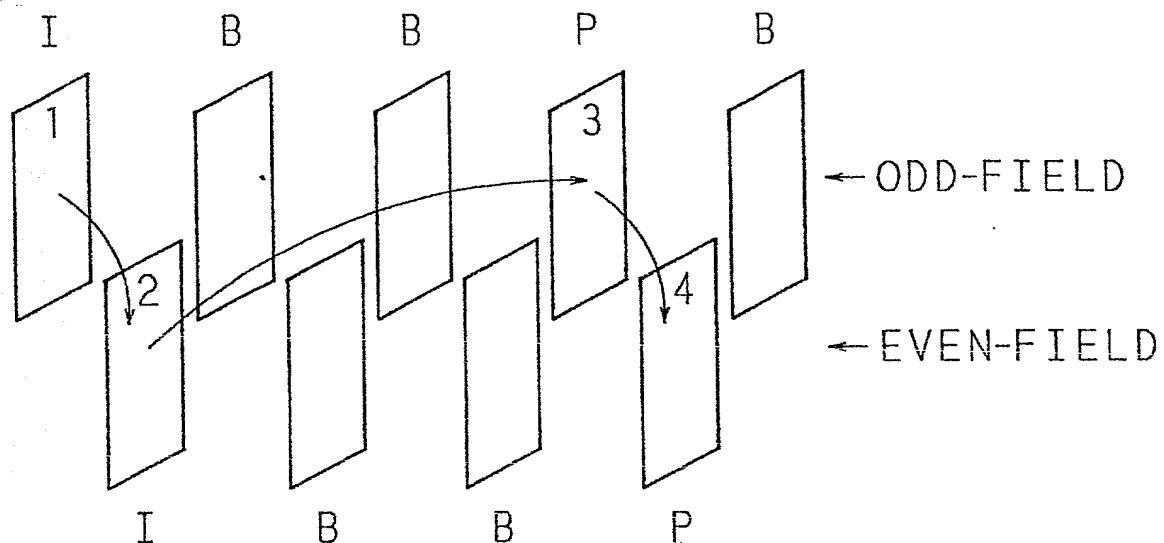
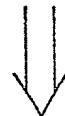


FIG. 89B



TIME DIRECTION IN IMAGE

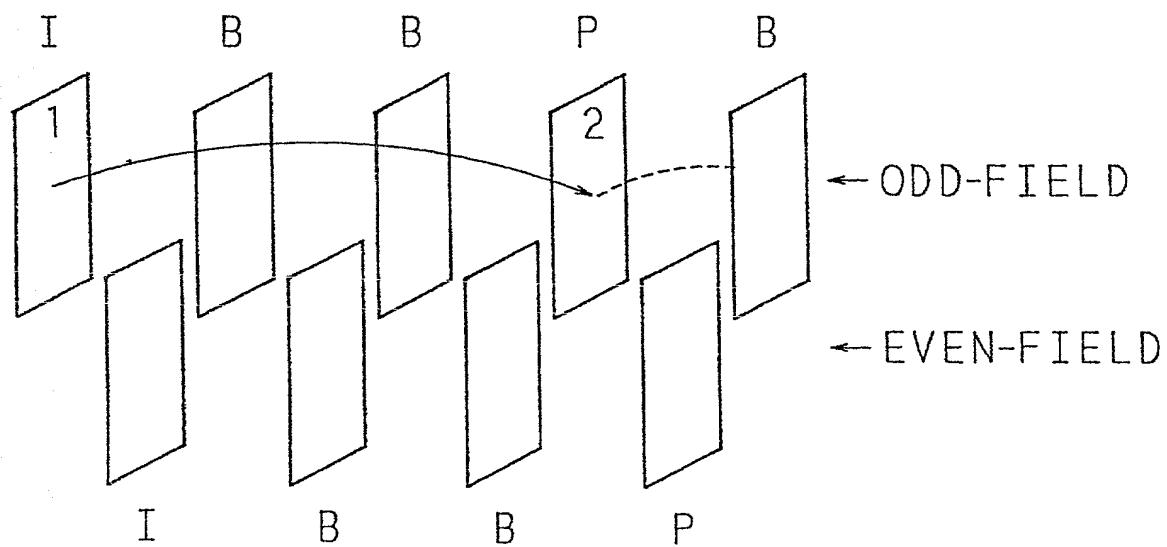


FIG. 90A

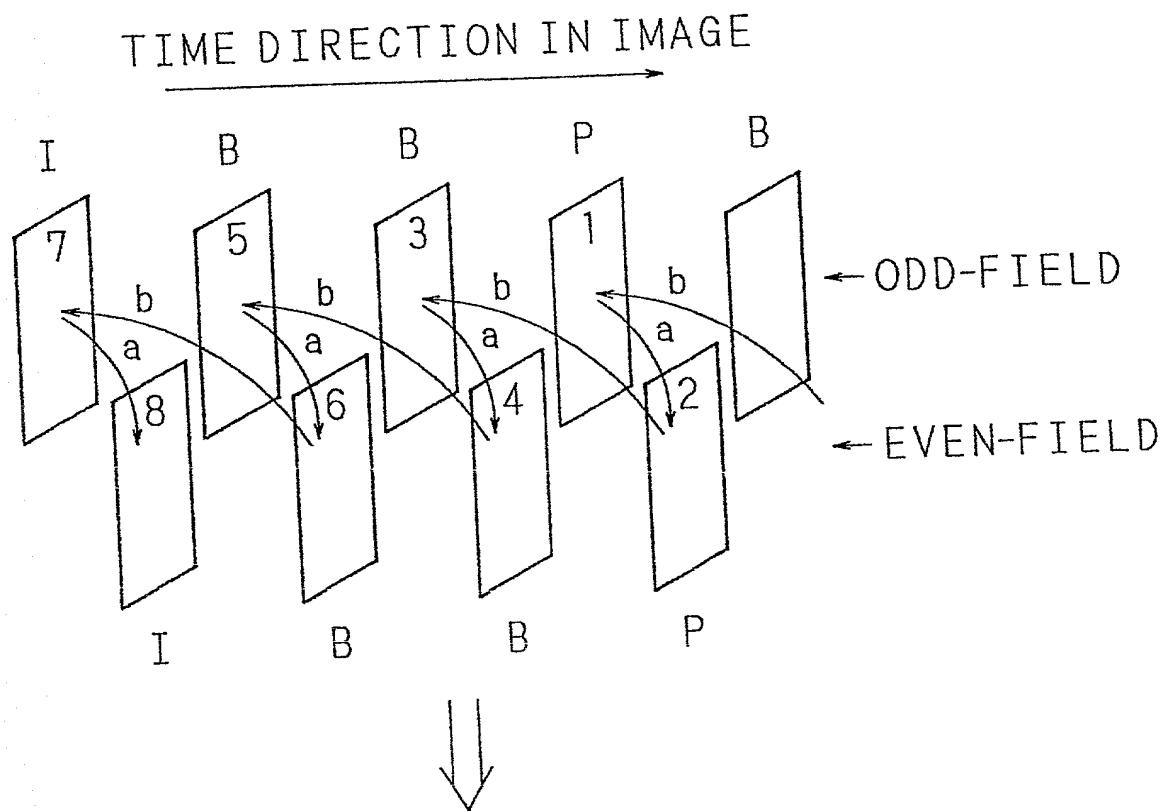


FIG. 90B

